

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	75	Iddan-Gavriel-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 10:27
L9	0	avni-don-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 10:28
L10	0	avni-dov-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 10:28
L11	0	Glukhovsky-arkady-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 10:29
L12	0	meron-gavriel-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/27 10:29
L13	38	(swallow\$6 and in-vivo and (GT or gastrointestinal adj tract) and gap)".clm"	US-PGPUB	OR	OFF	2005/10/27 10:30
L14	0	(swallow\$6 and in-vivo and (GT or gastrointestinal adj tract) and white and LCD and (CMOS or CCD) and gap)".clm"	US-PGPUB	OR	OFF	2005/10/27 10:31

File 344:Chinese Patents Abs Aug 1985-2005/May
(c) 2005 European Patent Office
File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
(c) 2005 JPO & JAPIO
File 371:French Patents 1961-2002/BOPI 200209
(c) 2002 INPI. All rts. reserv.
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200564
(c) 2005 Thomson Derwent

Set	Items	Description
S1	162954	CAPSULE?? OR PILL OR TABLET?? OR PELLET??
S2	128	INGESTIB?(5N) (S1 OR DEVIC?? OR UNIT??)
S3	827	(WIRELESS? OR WIRE()LESS OR CELLULAR? OR RADIO?) (5N) (S1 OR S2)
S4	831112	CAMERA?? OR CCD? ? OR IMAG????(3N) (PICKUP OR PICK()UP OR DEVICE?? OR SENSOR?? OR APPARATUS?? OR EQUIPMENT?? OR UNIT?? OR TERMINAL??) OR CHARGED(2N)COUPLE??(2N)DEVIC??
S5	485949	VIDEO?? OR CAMCODER?? OR CAM()CODER?? OR DIGICAM??
S6	45078	GASTROINTEST? OR GASTRO??? OR DIGESTION(3N)SYSTEM?? OR STOMACH?? OR ABDOMINAL?? OR GI(2N)TRACT???
S7	1675439	LED OR LIGHT??(2N)DIOD? OR LIGHT(2N)EMIT?????(2N)DIOD?? OR LIGHT?? OR ILLUMINAT?
S8	449781	TRANSMITTER?? OR TRANSCEIVER?? OR (TRANSMIT? OR TRANSMISSION?) (3N) (DEVIC?? OR EQUIPMENT?? OR UNIT?? OR TERMINAL?? OR APPARATUS??)
S9	427795	(EXTERIOR?? OR END OR OUTER?? OR OPAQUE?? OR VIEW??? OR VISUAL??) (2N) (SURFACE?? OR WINDOW?? OR PANEL??)
S10	79576	(LOCATION?? OR POSITION?? OR PLACE?? OR PLACEMENT??) (5N) S7
S11	27564	IN()VIVO?? OR INVIVO??
S12	118	AU=(IDDAN G? OR IDDAN, G? OR AVNI D? OR AVNI, D? OR GLUKHOVSKY A? OR GLUKHOVSKY, A? OR MERON G? OR MERON, G?)
S13	0	S3 AND (S4 OR S5) AND S6 AND S8 AND S9 AND S10 AND S11
S14	3	S3 AND (S4 OR S5) AND S6 AND S7
S15	7	S3 AND (S4 OR S5) AND S6
S16	4	S15 NOT S14
S17	42	S1 AND (S4 OR S5) AND S10
S18	1	S3 AND (S4 OR S5) AND S10
S19	1	S18 NOT (S14 OR S15)
S20	41	S17 NOT (S14 OR S15 OR S18)
S21	0	S20 AND (WIRELESS? OR WIRE()LESS OR CELLULAR? OR RADIO?)
S22	120	S3 AND (S4 OR S5)
S23	13	S22 AND S7
S24	9	S23 NOT (S14 OR S15 OR S18)
S25	880	(S1 OR S2) AND (S4 OR S5) AND S7
S26	42	S25 AND S10
S27	38	S26 NOT AD=20000803:20021011/PR
S28	35	S27 NOT AD=20021011:20051011/PR
S29	34	S28 NOT (S14 OR S15 OR S18 OR S24)
S30	0	S29 AND (WIRELESS? OR WIRE()LESS OR CELLULAR? OR RADIO?)
S31	30	S12 AND (S1 OR S2) AND (S4 OR S5)
S32	11	S31 AND S7
S33	11	S32 NOT (S14 OR S15 OR S18 OR S24 OR S29)
S34	2	S33 NOT AD=20010803:20031011/PR
S35	1	S34 NOT AD=20031011:20051011/PR

14/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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017206919 **Image available**

WPI Acc No: 2005-530536/200554

XRAM Acc No: C05-160821

XRPX Acc No: N05-434175

Wireless capsule used inside biological body as diagnosis tool
comprises examining mechanism, mechanism for specimen collection,
mechanism for positions and trace, microprocessor, mechanism for
communication, and protect capsule

Patent Assignee: HO P (HOPP-I); LEE W (LEEW-I); TANG J (TANG-I); WANG L
(WANG-I); YING J (YING-I)

Inventor: HO P; LEE W; TANG J; WANG L; YING J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050148842	A1	20050707	US 2003741540	A	20031222	200554 B

Priority Applications (No Type Date): US 2003741540 A 20031222

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20050148842	A1	20	A61B-001/04	

Wireless capsule used inside biological body as diagnosis tool
comprises examining mechanism, mechanism for specimen collection,
mechanism...

Abstract (Basic):

... A **wireless capsule** has examining mechanism for medical
diagnosis; mechanism for specimen collection; mechanism for positions
and trace...

... 1) a system for diagnosis in internally a biological body with
wireless capsule comprising mechanism for receiving **wireless**
signals; computer with software for analyzing **wireless** signals; and
the inventive **wireless capsule** ; and...

...2) a method of diagnosing diseases comprising providing the **wireless**
capsule ; providing a photosensitized dye and/or other drug or not;
introducing the **wireless capsule** into the biological body;
collecting examination information through the microprocessor via
micro-spectroscopy and/or...

...The invention combines **wireless capsule** with micro-spectroscopy to
detect morphology and/or chemical component changes inside the
biological body...

...The figure is a schematic diagram of **wireless** imaging-spectroscopy
capsule biopsy using micro-spectrometer for targets in tissues and/or
juices...

Technology Focus:

... is a living human or a living animal. The inside of a biological
body is **gastrointestinal** tract, biliary tract, pancreatic tract,
breast ducts, urinary tract, GYN (sic) tract, brain ventricular system
...

...a micro-spectrometer and/or a microbiosensor with a microprocessor. The
micro-spectrometer comprises a **light** source for illuminating an area
inside biological body or a micro-biosensor, an optical sensor for
detecting **light** from the irradiated area and other optical

assistancess at one or multiple wavelengths. It comprises...

...filter set or an array-wavelength-grating to disperse different wavelengths into different detectors. The **light** source is a broad-spectrum **light** of **light emitting diode (LED)**, laser **diode**, or flash lamp or tunable diode lasers with or without wavelength selection filters covering wavelength of 190-2500 nm. The optical sensor comprises photodiodes; photomultipliers; **CCD** (sic) chip; **CCD** chip shared by five independent sets of imaging optics, including one wide-angle front imaging...

...four side high resolution imaging mechanics; complementary metal oxide semiconductor (CMOS) imaging chip; NIR (sic) **camera**; PIN diodes with spectral range of 190-2500 nm; avalanched photodiodes (APD) with spectral range...

...Preferred Methods: Introducing the **wireless capsule** into the biological body is via native open; artificial open; endoscope; or injection. Diagnosing diseases through the **wireless capsule** inside of a biological body in vivo is spectroscopy; imaging; biosensor with or without a transducer; or collecting the specimen for further outside analysis. The examining information is day **light** imaging of tissue and/or juice; scatter spectra and/or imaging of tissue and/or...

14/3,K/2 (Item 2 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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016954526 **Image available**
 WPI Acc No: 2005-278835/200529
 XRPX Acc No: N05-229247

Capsule -type wireless endoscope for diagnosing internal organs of subject, has system controller which supplies drive signal to charge coupled device drive circuit, when wireless signal is received from communication apparatus

Patent Assignee: OLYMPUS OPTICAL CO LTD (OLYU)
 Number of Countries: 001 Number of Patents: 001
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2005103147	A	20050421	JP 2003343560	A	20031001	200529 B

Priority Applications (No Type Date): JP 2003343560 A 20031001

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2005103147	A	15	A61B-001/00	

Capsule -type wireless endoscope for diagnosing internal organs of subject, has system controller which supplies drive signal to...

Abstract (Basic):

... outside the subject. A system controller supplies a drive signal to the charge coupled device (**CCD**) drive circuit and **LED** drive unit, when wireless signal is received by the receiver.

... An INDEPENDENT CLAIM is also included for **capsule** -type **wireless** endoscope system...

...For observing and diagnosing internal organs such as **stomach**, small intestine, etc., of subject like human body...

...The image collection and transmission are performed efficiently and exactly by driving the **CCD camera** at specified time...

14/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016328586 **Image available**
WPI Acc No: 2004-486483/200446
XRPX Acc No: N04-383698

Communication telemetry capsule for endoscopy, has image sensor to image organ e.g. stomach, transmitter to transmit image signal generated by sensor, and receiver to receive external control signal
Patent Assignee: CHO J (CHOJ-I); CHOI H (CHOI-I); CHOI J (CHOI-I)
Inventor: CHO J; CHOI H; CHOI J
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 20040106849 A1 20040603 US 2002308028 A 20021203 200446 B

Priority Applications (No Type Date): US 2002308028 A 20021203
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 20040106849 A1 8 A61B-001/00

Communication telemetry capsule for endoscopy, has image sensor to image organ e.g. stomach, transmitter to transmit image signal generated by sensor, and receiver to receive external control signal

Abstract (Basic):

... The capsule has a **image sensor** (30) installed in a capsule body to image a organ e.g. **stomach** of a patients body viewed through lens. A **light** emitter emits a **light** in front of the body, and a transmitter (50) transmits an image signal generated by the sensor. A receiver (60) receives an external control signal, and a control **unit** (110) controls the **image sensor**, the **light** emitter, the transmitter, and the receiver.
... claimed) that examine visually the interior of a patients bodily canal or organ e.g. **stomach**, bladder, or colon...
...The transmitter transmits the **image** signal generated by **sensor** and the receiver receives wirelessly the external control signal, thereby providing accurate diagnostic examination. The telemetry **capsule** is capable of **wirelessly** transmitting the internal state of the patients body, and allows the user to properly visualize the desired organ e.g. **stomach**.

...

... **Image sensor** (30
...Title Terms: **STOMACH** ;

16/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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017020656

WPI Acc No: 2005-344973/200535

XRAM Acc No: C05-106667

XRPX Acc No: N05-281913

In vivo imaging of cavities in digestive tract e.g. for detecting surface bleeding sites involves administering pro-kinetic drug to increase forward push of video -capsule and/or segmentary peristaltic contractions; and imaging of tract wall

Patent Assignee: SCHWARZBERG M (SCHW-I)

Inventor: SCHWARZBERG M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050095200	A1	20050505	US 2004974801	A	20041028	200535 B

Priority Applications (No Type Date): IL 158658 A 20031029

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20050095200	A1		6 A61K-049/00	

... for detecting surface bleeding sites involves administering pro-kinetic drug to increase forward push of video -capsule and/or segmentary peristaltic contractions; and imaging of tract wall

Abstract (Basic):

... the digestive tract involves administering a pro-kinetic drug to increase the forward push of **video** -capsule and/or segmentary peristaltic contractions; and obtaining an image of the digestive tract wall.

... An INDEPENDENT CLAIM is included for enabling control of the motion regime of a miniature **video** capsule through the digestive tract to obtain an image of the digestive tract interior involving...

...malformations and small intestine wall); and enabling control of the motion regime of a miniature **video** capsule through the digestive tract to obtain an image of the digestive tract interior e.g. enabling passage of the **video** -capsule from **stomach** to small intestine via the duodenum (claimed...

...The administration of the pro-kinetic medication increases the forward push of **video** -capsule and/or segmentary peristaltic contractions, and yields improved visual information about the internal area...

...administration of the pro-kinetic drug further enables controlling the motion regime of the miniature **video** capsule through the digestive tract, such as enables passage of the **video** -capsule from **stomach** to small intestine via the duodenum. Thus the method results in an increased percentage of visual information of the digestive tract wall by **video** -capsule imaging, and improves the quality of small intestine **video** -capsule imaging, than prior art methods. The method increases the range of motion i.e. the photo angle of the **camera** head, thus increases the imaged area of the intestinal wall and the diagnostic yield by increasing the intestinal motility that creates deep segmentary depressions, tosses the **camera** -capsule trapped in them; which increases directions and angles of the **camera** , and in turn the quality of the transmitted image. The method also provides comparison of the **video** -capsule movement against the background of the intestine

walls, without the operation of the **video** -capsule head **camera** , by ingesting the pro-kinetic medication prior to the intake of contrast material, followed by...

Technology Focus:

... digestive tract interior is performed by endoscopy, anthroscopy and/or laparoscopy, using a miniature wireless **camera** , **video camera** or miniature; or a miniature wireless **camera** selected from a **video camera** or miniature **wireless video capsule** . The imaging involves: administering Cispride (RTM; 4-amino-5-chloro-N-(1-(4-fluorophenoxy)propyl...

...benzamide) orally or intravenously; followed by imaging the digestive tract wall that involves swallowing a **camera** or **wireless** miniature **video - capsule** ; imaging the internal wall of the digestive tract by **camera** and/or **video** ; and transmitting the received picture to the physician. The method further involves controlling the motion regime of the miniature **video** capsule through the digestive tract by administering a dose of the pro-kinetic drug.

...Title Terms: **VIDEO** ;

16/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016930220

WPI Acc No: 2005-254530/200527

XRPX Acc No: N05-209428

Radio capsule like endoscope system for medical use

Patent Assignee: JINSHAN SCI & TECH GROUP CO LTD CHONGQIN (JINS-N)

Inventor: WANG J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1559337	A	20050105	CN 200421933	A	20040228	200527 B

Priority Applications (No Type Date): CN 200421933 A 20040228

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CN 1559337	A		A61B-001/04	

Radio capsule like endoscope system for medical use

Abstract (Basic):

... A **radio capsule** type medical endoscopy system is composed of a **radio** endoscopic **capsule** coming in **stomach** and intestine via oral cavity and containing **image sensor** , microprocessor, RF transceiver module and antenna, a portable image recorder consisting of antenna array, radio...

16/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013700378

WPI Acc No: 2001-184602/200119

XRAM Acc No: C01-055532

Oral dosage form of drug coated with enteric polymer gives separation from co-administered food material and dissolution in the stomach

Patent Assignee: WEST PHARM SERVICES DRUG DELIVERY & CLIN (WPHA-N)

Inventor: DAVIS S S; WATTS P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2352172	A	20010124	GB 200011232	A	20000511	200119 B

Priority Applications (No Type Date): GB 9910773 A 19990511

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2352172	A	20	A61K-009/36	

... coated with enteric polymer gives separation from co-administered food material and dissolution in the stomach

Abstract (Basic):

... b) disintegration of the dose unit in the stomach .
... dose unit from co-administered food material and disintegration of the dose unit in the stomach .
...

... Radiolabeled (111In) tablets containing LY303496 (prepared according to the Example) were administered orally to 11 healthy volunteers together...

...form of a technetium-sulfur colloid. The patients were placed in front of a gamma- camera and the relative positions of the food and tablets on breakup of the tablets viewed. In 10 of the 11 subjects, the tablets broke up exclusively in the stomach and the food was found largely in the distal lower intestine at the time of

...Title Terms: STOMACH

16/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012672871

WPI Acc No: 1999-478978/199940

XRAM Acc No: C99-140894

Oral dosage unit comprising a drug with outer coating adapted to prevent release of the drug into the stomach or small intestine in the presence of food - useful for delivery of drugs affected by administration with food

Patent Assignee: DANBIOSYST UK LTD (DANB-N); WEST PHARM SERVICES DRUG DELIVERY & CLIN (WPHA-N)

Inventor: ILLUM L; WATTS P J; WATTS P

Number of Countries: 086 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9937290	A1	19990729	WO 99GB193	A	19990120	199940 B
AU 9921760	A	19990809	AU 9921760	A	19990120	200001
NO 200003640	A	20000912	WO 99GB193	A	19990120	200058
			NO 20003640	A	20000714	
ZA 9900454	A	20001227	ZA 99454	A	19990121	200103
EP 1059918	A1	20001220	EP 99901758	A	19990120	200105
			WO 99GB193	A	19990120	
JP 2002501016	W	20020115	WO 99GB193	A	19990120	200207
			JP 2000528272	A	19990120	

Priority Applications (No Type Date): GB 981363 A 19980122

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9937290 A1 E 25 A61K-009/28

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9921760 A A61K-009/28 Based on patent WO 9937290

NO 200003640 A A61K-009/28

ZA 9900454 A 22 A61K-000/00

EP 1059918 A1 E A61K-009/28 Based on patent WO 9937290

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
LU MC NL PT SE

JP 2002501016 W 24 A61K-009/28 Based on patent WO 9937290

... comprising a drug with outer coating adapted to prevent release of the
drug into the stomach or small intestine in the presence of food...

Abstract (Basic):

... drug with outer coating which is either adapted to prevent
release of drug into the **stomach** or small intestine in the presence
of food, or comprises a material soluble at a...
... negatively influenced by the presence of food. Since the coating
dissolves slowly in the fed **stomach** (pH 4.5-5.5), the coated dose
unit does not release its contents in...

Extension Abstract:

... 5 mg, and coated with Eudragit E100 solution. Volunteers, who
had fasted overnight, were given **radiolabelled**, coated **capsules** (A)
together with a meal containing a second radiolabel (technetium-99m). A
gamma **camera** was used to monitor breakup of the capsules and the
location of food within the **gastrointestinal** tract. In 8/9
volunteers, the capsules were retained in the **stomach** where they
broke up, releasing their contents. The technetium-labelled food was
located in the...

...or the colonic region. In 1 subject where the capsule was not retained
in the **stomach**, it broke up in the upper regions of the small
intestines, while the food had...

...Title Terms: **STOMACH** ;

?

19/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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06818865 **Image available**
RADIO CAPSULE RECEPTION SYSTEM

PUB. NO.: 2001-046358 [JP 2001046358 A]
PUBLISHED: February 20, 2001 (20010220)
INVENTOR(s): NAKAJIMA MASAOKI
NINOMIYA ICHIRO
NAKAMURA TETSUYA
EGUCHI MASARU
FUSHIMI MASAHIRO
NAKANISHI TAICHI
OHARA KENICHI
APPLICANT(s): ASAHI OPTICAL CO LTD
APPL. NO.: 11-223864 [JP 99223864]
FILED: August 06, 1999 (19990806)

RADIO CAPSULE RECEPTION SYSTEM

ABSTRACT

... with a photodetector array composed of plural photodetectors for receiving illumination light emitted from a **radio capsule**, specifying a **position**, where the **illumination light** is emitted by the **radio capsule**, adding that position to the biological information and storing it in a memory.

SOLUTION: A capsule endoscope transmits the image signal of an **image sensor** by a transmitter and has an illumination means. An external unit specifies the position of...
?

24/3,K/1 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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06876735 **Image available**

CAPSULE ENDOSCOPE

PUB. NO.: 2001-104242 [JP 2001104242 A]

PUBLISHED: April 17, 2001 (20010417)

INVENTOR(s): NINOMIYA ICHIRO
NAKAJIMA MASAOKI
NAKAMURA TETSUYA
FUSHIMI MASAHIRO
NAKANISHI TAICHI
EGUCHI MASARU
OHARA KENICHI

APPLICANT(s): ASAHI OPTICAL CO LTD

APPL. NO.: 11-282654 [JP 99282654]

FILED: October 04, 1999 (19991004)

ABSTRACT

...to be assembled easily.

SOLUTION: This capsule endoscope forms an image of an object image **illuminated** by an **illuminator** and formed by an objective lens in an **image sensor** and transmits **image** signals from the **image sensor** by **radio**. The **capsule** endoscope has an electric element holder barrel integrally formed with a main block supporting the objective lens and the **illuminator**, and a circuit board on which an **image sensor** control board for holding the **image sensor** and at least one more circuit board are connected in order with connecting strip control boards. The **image sensor** control board and at least one more circuit boards are disposed with intervals, with the **image sensor** control board as the nearest to the objective lens, inside the electric element holder barrel...

24/3,K/2 (Item 2 from file: 347)

DIALOG(R)File 347:JAPIO

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06876734 **Image available**

CAPSULE ENDOSCOPE

PUB. NO.: 2001-104241 [JP 2001104241 A]

PUBLISHED: April 17, 2001 (20010417)

INVENTOR(s): NINOMIYA ICHIRO
NAKAJIMA MASAOKI
NAKAMURA TETSUYA
FUSHIMI MASAHIRO
NAKANISHI TAICHI
EGUCHI MASARU
OHARA KENICHI

APPLICANT(s): ASAHI OPTICAL CO LTD

APPL. NO.: 11-282653 [JP 99282653]

FILED: October 04, 1999 (19991004)

ABSTRACT

...to be assembled easily.

SOLUTION: This capsule endoscope forms an image of an object image

illuminated by an illuminator and formed by an objective lens in an image sensor and transmits image signals from the image sensor by radio . The capsule endoscope has an electric element holder barrel integrally formed with a main block supporting the objective lens and the illuminator , a circuit board having at least the image sensor , an image sensor control part for controlling the image sensor and transmitting electric part for radio-transmitting electric signals outputted from the image sensor and an antenna control board having a transmitting antenna wire for sending transmitting signals produced...

24/3,K/3 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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017206696 **Image available**
WPI Acc No: 2005-530313/200554
XRPX Acc No: N05-433973

Ferroelectric polymer memory for storing data in e.g. PDA, has barrier layers sequentially formed on polymer layer that is formed between two conductive lines, where barrier layers are made of material e.g. titanium nitride

Patent Assignee: ANDIDEH E (ANDI-I); DEANGELIS M A (DEAN-I); DIANA D C (DIAN-I); JANOUSEK D E (JANO-I); RICHARDS M R (RICH-I); WINDLASS H (WIND-I)
Inventor: ANDIDEH E; DEANGELIS M A; DIANA D C; JANOUSEK D E; RICHARDS M R; WINDLASS H
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050146923	A1	20050707	US 2003746173	A	20031224	200554 B

Priority Applications (No Type Date): US 2003746173 A 20031224

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20050146923	A1		6 G11C-011/00	

Abstract (Basic):

... for storing data in a wireless device e.g. PDA, laptop or portable computer, web tablet , wireless telephone, pager, instant messaging device, digital music player, digital camera , organic light emitting diode , wireless local area network system, wireless personal area network system and cellular network...

24/3,K/4 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016877080 **Image available**
WPI Acc No: 2005-201363/200521
XRPX Acc No: N05-165691

Phase change memory accessing method for e.g. PDA, involves coupling phase change memory cell to column and row lines, and extending vias of row lines to contact electrode so that cell is arranged in addressable location

Patent Assignee: JOHNSON B G (JOHN-I)
Inventor: JOHNSON B G
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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US 20050030784 A1 20050210 US 2003634146 A 20030804 200521 B

Priority Applications (No Type Date): US 2003634146 A 20030804

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 20050030784 A1 6 G11C-011/00

Abstract (Basic):

... to column lines and transversely arranged row lines. The row lines are formed below a **light** accessible phase change material (24) in a semiconductor substrate. The row lines are extended parallel...
... in a wireless device e.g. personal digital assistant (PDA), laptop or portable computer with **wireless** capability, web **tablet** , **wireless** telephone, pager, instant messaging device, digital music player and digital **camera** , and in a wireless local area network (WLAN) system, a wireless personal area network (WPAN)...
... **Light** accessible phase change material (24)

24/3,K/5 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016855578 **Image available**

WPI Acc No: 2005-179860/200519

XRPX Acc No: N05-149903

Semiconductor memory manufacturing method for e.g. pager, involves forming phase change material between pair of horizontally spaced electrodes, and forming conductive line and selection device in substrate

Patent Assignee: JOHNSON B G (JOHN-I)

Inventor: JOHNSON B G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050029503	A1	20050210	US 2003633874	A	20030804	200519 B

Priority Applications (No Type Date): US 2003633874 A 20030804

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 20050029503 A1 12 H01L-047/00

Abstract (Basic):

... forming a phase change material (36) between a pair of horizontally spaced electrodes (34). A **light** is enabled to access the phase change material. A conductive line (44) and a selection...
...the electrodes are formed over the substrate. The phase change material is covered with a **light** transmissive material.
... in a wireless device e.g. pager, personal digital assistant (PDA), laptop/portable computer with **wireless** capability, web **tablet** , **wireless** telephone, instant messaging device, digital music player and digital **camera** , and in wireless local area network (WLAN) system, wireless personal area network (WPAN) system and...

24/3,K/6 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

016774385 **Image available**

WPI Acc No: 2005-098663/200511

XRPX Acc No: N05-085540

Double side electroluminescent display device with finger print reading function for flip-type cellular phone, has pixel arrangement consisting transistor, light emitting element and imaging element on each pixel

Patent Assignee: SEMICONDUCTOR ENERGY LAB (SEME); WATANABE Y (WATA-I); YAMAZAKI S (YAMA-I)

Inventor: WATANABE Y; YAMAZAKI S

Number of Countries: 003 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040263069	A1	20041230	US 2004872398	A	20040622	200511 B
JP 2005037930	A	20050210	JP 2004189142	A	20040628	200511
CN 1577416	A	20050209	CN 200463291	A	20040628	200532

Priority Applications (No Type Date): JP 2003185517 A 20030627

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
-----------	------	--------	----------	--------------

US 20040263069	A1	30	H05B-033/08	
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JP 2005037930	A	22	G09F-009/30	
---------------	---	----	-------------	--

CN 1577416	A		G09F-009/30	
------------	---	--	-------------	--

... with finger print reading function for flip-type cellular phone, has pixel arrangement consisting transistor, light emitting element and imaging element on each pixel

Abstract (Basic):

... of the transparent substrate (700) that has two display surfaces, includes a transistor (101), a **light** emitting element (108) which emits **light** to the display surfaces on either sides and on object to be read such as finger prints, and an imaging element such as charge coupled device (**CCD**) element for acquiring finger print image.

... For electronic device (claimed), especially foldable electronic device such as flip-type **cellular** phones, **tablet** , personal computer (PC), wrist watch, portable terminal, digital **video camera** and digital **camera** with finger print authentication function...

...Smaller, thinner and **lighter** display device is realized. Enables to view the inner display surface without opening and an...

... **light** emitting device (108...

... limaging device (113

...Title Terms: **LIGHT** ;

24/3,K/7 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

016696119 **Image available**

WPI Acc No: 2005-020398/200502

XRPX Acc No: N05-017362

Capsule medical device for capsule medical system, has receiving device e.g. antenna, receiving data from outside of device, and storage device in which storage data stored, is rewritten based on data received by receiving device

Patent Assignee: OLYMPUS CORP (OLYU); OLYMPUS OPTICAL CO LTD (OLYU)

Inventor: UCHIYAMA A

Number of Countries: 106 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040242962	A1	20041202	US 2004766581	A	20040127	200502 B
JP 2004350963	A	20041216	JP 2003152956	A	20030529	200502
WO 2004105590	A1	20041209	WO 2003JP16692	A	20031225	200502
AU 2003292801	A1	20050121	AU 2003292801	A	20031225	200526

Priority Applications (No Type Date): JP 2003152956 A 20030529

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 20040242962	A1	24	A61B-001/04	
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JP 2004350963	A	23	A61B-001/00	
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WO 2004105590	A1 J		A61B-001/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2003292801	A1		A61B-001/00	Based on patent WO 2004105590
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Abstract (Basic):

... the storage device. An external device transmits and receives the data to and from the **capsule** medical device, by a **radio** communication.

... **Illumination** circuit (7...

... **Image sensor** (8

24/3,K/8 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

016661595 **Image available**

WPI Acc No: 2004-820314/200481

XRPX Acc No: N04-647559

Capsule endoscope apparatus has radio device which transmits by radio waves image data obtained by image pick - up device on sequentially switching two or more light -emitting amount or light -emitting time

Patent Assignee: OLYMPUS OPTICAL CO LTD (OLYU); OLYMPUS CORP (OLYU)

Inventor: HOMAN M; OHNO W; ONO W

Number of Countries: 108 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040215059	A1	20041028	US 2004823832	A	20040414	200481 B
WO 200496030	A1	20041111	WO 2004JP5712	A	20040421	200481
JP 2004321605	A	20041118	JP 2003122821	A	20030425	200481

Priority Applications (No Type Date): JP 2003122821 A 20030425

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 20040215059	A1	21	A61B-001/06	
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WO 200496030	A1 J		A61B-001/06	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA

UG US UZ VC VN YU ZA ZM ZW
 Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
 GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PL PT RO SD SE SI SK SL SZ
 TR TZ UG ZM ZW
 JP 2004321605 A 18 A61B-001/00

Capsule endoscope apparatus has radio device which transmits by radio waves image data obtained by image pick - up device on sequentially switching two or more light -emitting amount or light -emitting time

Abstract (Basic):

... An illumination device (4) comprises a switching device which switches two or more light -emitting amount or light - emitting time. A radio device (8) transmits by radio waves image data obtained by an image pick - up device (6) on sequentially switching two or more light -emitting amount or light -emitting time.
 ... illumination device (4...
 ... image pick - up device (6
 ...Title Terms: LIGHT ;

24/3,K/9 (Item 7 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
 (c) 2005 Thomson Derwent. All rts. reserv.

012438323
 WPI Acc No: 1999-244431/199920
 XRAM Acc No: C99-071405

New eukaryotic viral vectors without requiring temporally-linked double recombination events or the use of specialized bacterial strains

Patent Assignee: GENVEC INC (GENV-N)
 Inventor: BROUGH D E; KOVESDI I; MCVEY D L
 Number of Countries: 083 Number of Patents: 009
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9915686	A1	19990401	WO 98US20009	A	19980923	199920 B
AU 9896655	A	19990412	AU 9896655	A	19980923	199934
EP 1015620	A1	20000705	EP 98950669	A	19980923	200035
			WO 98US20009	A	19980923	
JP 2001517455	W	20011009	WO 98US20009	A	19980923	200174
			JP 2000512975	A	19980923	
US 6329200	B1	20011211	US 9759824	P	19970923	200204
			WO 98US20009	A	19980923	
			US 2000513803	A	20000225	
US 20020004242	A1	20020110	US 9759824	P	19970923	200208
			WO 98US20009	A	19980923	
			US 2000513803	A	20000225	
			US 2001905758	A	20010713	
AU 749856	B	20020704	AU 9896655	A	19980923	200255
US 6475757	B2	20021105	US 9759824	P	19970923	200276
			WO 98US20009	A	19980923	
			US 2000513803	A	20000225	
			US 2001905758	A	20010713	
EP 1015620	B1	20050831	EP 98950669	A	19980923	200561
			WO 98US20009	A	19980923	

Priority Applications (No Type Date): US 9759824 P 19970923; US 2000513803
 A 20000225; US 2001905758 A 20010713
 Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9915686	A1	E	50	C12N-015/86	
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
AU 9896655	A			C12N-015/86	Based on patent WO 9915686
EP 1015620	A1	E		C12N-015/86	Based on patent WO 9915686
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
JP 2001517455	W		53	C12N-015/09	Based on patent WO 9915686
US 6329200	B1			C12N-015/63	Provisional application US 9759824 Cont of application WO 98US20009
US 20020004242	A1			C12N-015/86	Provisional application US 9759824 Cont of application WO 98US20009 Div ex application US 2000513803 Previous Publ. patent AU 9896655 Based on patent WO 9915686
AU 749856	B			C12N-015/86	Provisional application US 9759824 Cont of application WO 98US20009 Div ex application US 2000513803 Div ex patent US 6329200
US 6475757	B2			C12N-015/63	Based on patent WO 9915686
EP 1015620	B1	E		C12N-015/86	Based on patent WO 9915686
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					

Abstract (Basic):

Technology Focus:

... a tetracycline resistance gene or a zeocin resistance gene. The NSG may be e.g. **ccdB** , NP-1 or active fragments of NP-1...

...open reading frame. The open reading frame may encode an NSG. The NSG may be **ccdB** , NP-1 or active fragments of NP-1.

Extension Abstract:

... a suitable temperature and level of aeration. The following day the cells are concentrated by **light** centrifugation, washed in glucose and antibiotic free growth medium, and plated on a third growth...

...then liberated from the cells by cellular disruption (e.g. freeze-thaw lysis), and the **cellular** debris is **pelleted** by centrifugation. The resultant supernatant fluid constitutes a new adenoviral vector comprising a desired transgene...

?

29/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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05785995 **Image available**
IMAGE FORMING DEVICE

PUB. NO.: 10-069095 [JP 10069095 A]
PUBLISHED: March 10, 1998 (19980310)
INVENTOR(s): IWASAKI TAKAO
APPLICANT(s): BROTHER IND LTD [000526] (A Japanese Company or Corporation),
JP (Japan)
APPL. NO.: 08-228139 [JP 96228139]
FILED: August 29, 1996 (19960829)

IMAGE FORMING DEVICE
...JAPIO KEYWORD: **Light** Emitting Diodes , **LED**); R119 (CHEMISTRY

ABSTRACT

PROBLEM TO BE SOLVED: To provide an **image forming device** capable of obtaining an image of a prescribed sensitivity by low-output **light** emitting elements...

... moved to scan backward and forward in a direction X with reference to a micro **capsule** sheet having a surface on which the latent image of image information is formed by...

...7c, 7b and 7a and one set of blue LEDs 9c, 9b and 9a are **positioned** as **light** emitting elements for exposing, and the LEDs are arranged so that the distance between each **LED** in the direction Y may be set with a shift corresponding to a distance Y1 (one dot), and the same pixel part is irradiated with **light** at intervals in terms of time at every movement of the exposing head 20 in...

29/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

05372047 **Image available**
METHOD, DEVICE, AND CAPSULE FOR SENSING WATER

PUB. NO.: 08-327547 [JP 8327547 A]
PUBLISHED: December 13, 1996 (19961213)
INVENTOR(s): HOSOE TAKASHI
MATSUSHITA ISAO
YAMASHITA NOBUHIKO
NAKAI KATSUMI
YAMADA YOSHIYUKI
APPLICANT(s): OSAKA GAS CO LTD [000028] (A Japanese Company or Corporation),
JP (Japan)
APPL. NO.: 07-134896 [JP 95134896]
FILED: June 01, 1995 (19950601)

METHOD, DEVICE, AND CAPSULE FOR SENSING WATER
...JAPIO KEYWORD: Charge Transfer Elements, **CCD** & BBD); R110
(INSTRUMENTATION...

ABSTRACT

... comprises a luminescent material diffusing mechanism 7 which diffuses a

luminescent material 9 that emits **light** when reacted with water 3 and a **light** detecting mechanism 8 for detecting the **light** which the luminescent material 9 emits on reacting with water 3, both of which are...

...part of a subject for sensing, and a position checking means 17 by which the **position** of the **light** in the dark part can be specified. In the dark part, the luminescent material 9 is diffused, the **light** which the material emits is detected, the **position** where **light** emission is taking **place** is specified, and this specified **light** emitting **position** is determined to be the position where the water 3 exists.

29/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

05330047 **Image available**
INSPECTION DEVICE OF BONDING WIRE

PUB. NO.: 08-285547 [JP 8285547 A]
PUBLISHED: November 01, 1996 (19961101)
INVENTOR(s): MATSUDA SUSUMU
APPLICANT(s): TOSHIBA MECHATRONICS KK [000000] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 07-116644 [JP 95116644]
FILED: April 19, 1995 (19950419)

ABSTRACT

...CONSTITUTION: A slit beam **light** source 11 simultaneously applies slit beams 6 extended in the parallel with the surface of a semiconductor **pellet** 1 and a lead frame 3 which are in direction crossing the height direction of...

... bonding wires 5. The height of the slit beams 6 applied from the slit beam **light** source 11 can be **positioned** successively to a lower-limit position A and an upper-limit position B which are...

...reference loop of the bonding wire 5 by operating an elevation mechanism part 12. The **image pick - up** signal of an **image pick - up device** 13 is sent to an **image processing device** 14 to recognize the presence or absence of an **illuminated** part in each bonding wire 5 based on the difference in the quantity of **light** .

29/3,K/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

05070729 **Image available**
METHOD AND DEVICE FOR BAND SEAL-DETECTION OF **CAPSULE**

PUB. NO.: 08-026229 [JP 8026229 A]
PUBLISHED: January 30, 1996 (19960130)
INVENTOR(s): INOUE HAYAO
AKIMOTO YASUAKI
ENOMOTO MASAO
FURUYA YOSHIHIRO
MIZUTA TAIICHI
APPLICANT(s): SHIONOGI & CO LTD [000192] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 06-188962 [JP 94188962]

FILED: July 19, 1994 (19940719)

METHOD AND DEVICE FOR BAND SEAL-DETECTION OF **CAPSULE**

ABSTRACT

PURPOSE: To automate a band seal inspection of **capsules**, and provide a high reliability, and at the same time, favorably detect not only the...

...CONSTITUTION: **Capsules** are continuously carried in the diametric direction, and at a specified carrying **location**, a **light** of a specified luminosity is cast to the **capsules**. At the same time, the **capsule** is photographed by a one-dimensional **camera** in the longitudinal direction. Then, the image is converted in a voltage signal to acquire a wave shape which shows a voltage variation in the longitudinal direction of the **capsule**, and a specified range including a band seal part of the wave shape is cut...

29/3,K/5 (Item 5 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2005 JPO & JAPIO. All rts. reserv.

04367413 **Image available**

THICKNESS MEASURING INSTRUMENT

PUB. NO.: 06-011313 [JP 6011313 A]

PUBLISHED: January 21, 1994 (19940121)

INVENTOR(s): TAKAHASHI SATORU

APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)

AKITA DENSHI KK [486002] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 03-207790 [JP 91207790]

FILED: August 20, 1991 (19910820)

JOURNAL: Section: P, Section No. 1725, Vol. 18, No. 208, Pg. 119, April 13, 1994 (19940413)

...JAPIO KEYWORD:Charge Transfer Elements, **CCD** & **BBD**)

ABSTRACT

...process of the object by measuring the surface height of the object from reflected laser **light** from the object...

...CONSTITUTION: Laser **light** from a semiconductor laser diode 1 is converged into a laser beam 6 of about...

...100.mu.m in diameter through a collimator lens 2 and the surface of a **pellet** 3 is perpendicularly or obliquely irradiated with the laser beam 6. Then randomly reflected laser **light** rays 7 from the surface of the **pellet** 3 are made to form an image on the detecting surface of a position detecting element (charge-coupled element) 9 through a condenser lens 8. The surface displacement of the **pellet** 3 is measured by measuring the image forming **position** of the **light** spot by triangulation. Then the thickness of paste 4 is found by measuring the height value of the **pellet** 3 at its four corners in such a way and subtracting the thickness values of the **pellet** 3 and a frame 5 (can be known from actual measurement or specifications) from the...

29/3,K/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2005 JPO & JAPIO. All rts. reserv.

03675342 **Image available**

IMAGE FORMING DEVICE

PUB. NO.: 04-040442 [JP 4040442 A]
PUBLISHED: February 10, 1992 (19920210)
INVENTOR(s): YAMADA MAKOTO
 KUSHIDA GOJI
APPLICANT(s): BROTHER IND LTD [000526] (A Japanese Company or Corporation),
 JP (Japan)
APPL. NO.: 02-147946 [JP 90147946]
FILED: June 06, 1990 (19900606)
JOURNAL: Section: P, Section No. 1356, Vol. 16, No. 216, Pg. 145, May
 21, 1992 (19920521)

IMAGE FORMING DEVICE

...JAPIO KEYWORD:Instant **Cameras**)

ABSTRACT

...CONSTITUTION: In the case of superposing and exposing plural slide original plates 101, a **light** source 105 is turned off when forming the latent image of a 1st slide 101...

... that a 2nd slide 101 may be set on a prescribed position. Simultaneously, a micro **capsule** sheet 37 on which the latent image is finished being formed is rewound by reversely...

... the part where the latent image is formed may be rewound until an exposure starting **position** is obtained. After that, the **light** source 105 is turned on by the CPU 120 again, and then, the exposure is performed again so that the latent image may be formed on the **capsule** sheet 37. By repeating this process several times, plural slides 101 are finished to be ...

29/3,K/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2005 JPO & JAPIO. All rts. reserv.

03588848 **Image available**

METHOD AND APPARATUS FOR INSPECTING TABLET

PUB. NO.: 03-251748 [JP 3251748 A]
PUBLISHED: November 11, 1991 (19911111)
INVENTOR(s): YAMAGUCHI KAORU
APPLICANT(s): MUTUAL CORP [488419] (A Japanese Company or Corporation), JP
 (Japan)
APPL. NO.: 02-048456 [JP 9048456]
FILED: February 28, 1990 (19900228)
JOURNAL: Section: P, Section No. 1308, Vol. 16, No. 50, Pg. 82,
 February 07, 1992 (19920207)

METHOD AND APPARATUS FOR INSPECTING TABLET

...JAPIO KEYWORD:Charge Transfer Elements, **CCD** & **BBD**); R116 (ELECTRONIC MATERIALS...

... **Light Emitting Diodes** , **LED**)

ABSTRACT

PURPOSE: To increase the precision in inspection of a **tablet** and to conduct accurate and stable inspection by a construction wherein a **light**

from **LED** positioned below is sensed by a line sensor located at a position just above and in...

...CONSTITUTION: After a **tablet** is held in each recess of a blister film 3 let out from a drum 1, a **light** is applied from **LED** 7 located below the film 3, through a cylinder lens 8, so that it goes across the film. This **light** is sensed by a **CCD** line sensor 9 at a position above and in proximity to the film and signals...

... of the recess of the blister 3 is detected by the trigger, accordingly, a line **light** sensed by the sensor 9 is scanned, the area of the **tablet** is detected thereby, and the determination of the quality is conducted on the basis of...

29/3,K/8 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2005 JPO & JAPIO. All rts. reserv.

03175583 **Image available**

REFLECTION TYPE PHOTO SENSOR

PUB. NO.: 02-151083 [JP 2151083 A]

PUBLISHED: June 11, 1990 (19900611)

INVENTOR(s): YONEKURA ATSUSHI

APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)

APPL. NO.: 63-305227 [JP 88305227]

FILED: December 01, 1988 (19881201)

JOURNAL: Section: E, Section No. 971, Vol. 14, No. 401, Pg. 62, August
30, 1990 (19900830)

...JAPIO KEYWORD: **Video** Tape Recorders, VTR)

ABSTRACT

PURPOSE: To divert a directly travelling **light** from a **light** emitting element to a photo detector, and realize high S/N ratio by arranging an isolation trench between the **light** emitting element and the photo detector, and sealing a device with resin...

...formed in a unified body so as to have an isolation trench 111 between a **light** emitting element and a photo detector element, which trench is dug more deeply than the **positions** of a **light** emitting **pellet** 101 and a photo detector element **pellet** 104. A first protrusion 110a(sub 1) and a second protrusion 110b(sub 1) are arranged on the surfaces of the **light** emitting element **pellet** 101 and the photo detector element **pellet** 104, respectively. Thus, the resin is formed which is transparent to near infrared rays and...

... rays. The isolation trench 111 is installed in order to prevent the direct incidence of **light** from the **light** emitting element to the **light** receiving surface of the photo detector. Thereby, the action to turn away the directly entering **light** from the **light** emitting element into the photo detector element is increased, and further a reflection type photo...

29/3,K/9 (Item 9 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2005 JPO & JAPIO. All rts. reserv.

03100631 **Image available**

AUTOMATIC FOCUSING DEVICE

PUB. NO.: 02-076131 [JP 2076131 A]
PUBLISHED: March 15, 1990 (19900315)
INVENTOR(s): HAMADA AKIYOSHI
IKO MITSUTOSHI
MURAKAMI MASANORI
APPLICANT(s): MINOLTA CAMERA CO LTD [000607] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 63-227981 [JP 88227981]
FILED: September 12, 1988 (19880912)
JOURNAL: Section: P, Section No. 1059, Vol. 14, No. 269, Pg. 45, June 11, 1990 (19900611)

...JAPIO KEYWORD: **Video** Disk Recorders, VDR)

ABSTRACT

... the first and second gratings under a separated state at a Talbot distance and receiving **light** with a quartered **light** receiving element arranged after the setting of the gratings...

...CONSTITUTION: Emitting **light** beams from a semiconductor laser 1 are image- formed on an image forming surface 7a...

...and second gratings 9 and 10, which are set under the separated state at the **Tablet** distance to generate a moire fringe, are irradiated by reflected **light** beams from this image forming surface 7a through a beam splitter 4, and the direction of the generated moire fringe is detected by a quartered **light** receiving element 11. Further, a condensing lens 8 is arranged between the beam splitter 4 and the first grating 9, and the whole **light** quantity of the beams to pass through the first and second gratings 9 and 10 irradiate the quartered **light** receiving element 11. Consequently, the moire fringe generated in the first and second gratings 9 and 10 becomes clear, and the total **light** receiving quantity at the focused **position** and the non-focused position of an optical disk 7 never changes. Thus, the focusing...

29/3,K/10 (Item 10 from file: 347)
DIALOG(R)File 347:JAPIO
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02850253 **Image available**
PHOTODETECTOR MODULE

PUB. NO.: 01-147853 [JP 1147853 A]
PUBLISHED: June 09, 1989 (19890609)
INVENTOR(s): WADA YOSHIYUKI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 62-307171 [JP 87307171]
FILED: December 03, 1987 (19871203)
JOURNAL: Section: E, Section No. 818, Vol. 13, No. 407, Pg. 61, September 08, 1989 (19890908)

...JAPIO KEYWORD: **Video** Disk Recorders, VDR)

ABSTRACT

... prevent an erroneous operation of a circuit when a circuit section is radiated with a **light** by concealing elements except a photodetector by a shielding frame...

...CONSTITUTION: A photodetector IC **pellet** 13 is secured to a mount 20 of a lead frame, and a shielding frame...

... one lead terminal 14 which is not connected to the mount is disposed above the **pellet** to cover the **pellet**. That is, a circuit section is shielded from a **light** by the frame 12 having a hole for transmitting a **light** only at a **position** corresponding to a photodetector on the extension of the one lead terminal. Thus, an anxiety...

... photodiode at the P-N junction of the circuit section by irradiating it with the **light** is eliminated.

29/3,K/11 (Item 11 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

02498252 **Image available**
CAMERA WITH SUPERIMPOSING FUNCTION

PUB. NO.: 63-115152 [JP 63115152 A]
PUBLISHED: May 19, 1988 (19880519)
INVENTOR(s): KUDO YUJI
APPLICANT(s): HADOSON KK [488378] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 61-260349 [JP 86260349]
FILED: October 31, 1986 (19861031)
JOURNAL: Section: P, Section No. 764, Vol. 12, No. 363, Pg. 162,
September 29, 1988 (19880929)

CAMERA WITH SUPERIMPOSING FUNCTION

ABSTRACT

... The power source is turned on and characters and a pattern are drawn on the **tablet** 8 of a digitizer with a pen and then the **tablet** 8 reads coordinate information on them and sends it to the liquid crystal panel 4 ...
... and an electronic circuit. Transparent electrodes are arranged on the panel in a matrix and **places** applied with a voltage reflect **light**, so an opaque part similar to the characters and pattern on the **tablet** 8 is formed. A photograph is taken in this state, and then the image of...

29/3,K/12 (Item 12 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

02045225 **Image available**
PICTURE INPUT OUTPUT DEVICE

PUB. NO.: 61-259325 [JP 61259325 A]
PUBLISHED: November 17, 1986 (19861117)
INVENTOR(s): MAEDA KENICHI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 60-100421 [JP 85100421]
FILED: May 14, 1985 (19850514)
JOURNAL: Section: P, Section No. 565, Vol. 11, No. 112, Pg. 29, April
09, 1987 (19870409)

...JAPIO KEYWORD:Charge Transfer Elements, CCD & BBD)

ABSTRACT

...CONSTITUTION: When the **light** to come from a **light** pen 3 enters an optical sensor 4 through an optical modulating element 5, the output...

... sensor 4 is different from the condition of other optical sensor 4 on which the **light** is not thrown. Consequently, the **position** information of the pen for the **tablet** can be obtained by investigating the position. Also at such a time, when the optical...

29/3,K/13 (Item 13 from file: 347)

DIALOG(R)File 347:JAPIO

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01977809 **Image available**

PICK-UP DEVICE FOR SURFACE OF OBJECT

PUB. NO.: 61-191909 [JP 61191909 A]

PUBLISHED: August 26, 1986 (19860826)

INVENTOR(s): MAETSURU SUSUMU

APPLICANT(s): IKEGAMI TSUSHINKI CO LTD [350354] (A Japanese Company or Corporation), JP (Japan)
MARUHO HATSUJO KOGYO KK [424083] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 60-025282 [JP 8525282]

FILED: February 14, 1985 (19850214)

JOURNAL: Section: P, Section No. 536, Vol. 11, No. 15, Pg. 162,
January 16, 1987 (19870116)

ABSTRACT

...To prevent halation phenomenon otherwise generating on the surface of an object, by arranging a **light** scattering transmission plate near the object between a **light** source for irradiating the image **position** of the object and the image position so as not to block the optical path...

...CONSTITUTION: Flat **tablets** 2 are housed in succession into tiny holes 3 on a drum 1 and introduced to the image position 4 with the rotation thereof. They are **illuminated** by **light** from a **light** source 5 and photographed with a **camera** 6 scanning it. **Light** incident from the **light** source 5 is scattered with a **light** scattering transmission plate 7 arranged at the position as close to the position 4 as possible between the **position** and the **light** source 5 so all the **light** transmitted through the transmission plate 7 will be converted into scattered **light**, which is supplied to the **tablets** 2 being sent to the **position** 4 to **illuminate**. Then, the scattered **light** from the **position** 4 where the scattered **light** is **illuminated** is made incident into the **camera** 6 through a slit 8 except for being regularly reflected to photograph. This eliminates the...

29/3,K/14 (Item 14 from file: 347)

DIALOG(R)File 347:JAPIO

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01960663 **Image available**

SOLID **IMAGE** **SENSOR** **DEVICE**

PUB. NO.: 61-174763 [JP 61174763 A]

PUBLISHED: August 06, 1986 (19860806)
INVENTOR(s): AUCHI MAKOTO
IZUMI AKIYA
AZUMA TAKASHI
UEDA TOYOICHI
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)
HITACHI MICRO COMPUT ENG LTD [470864] (A Japanese Company or
Corporation), JP (Japan)
HITACHI CHEM CO LTD [000445] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 60-014278 [JP 8514278]
FILED: January 30, 1985 (19850130)
JOURNAL: Section: E, Section No. 466, Vol. 10, No. 384, Pg. 109,
December 23, 1986 (19861223)

SOLID IMAGE SENSOR DEVICE

ABSTRACT

... obtain a package at a low cost, by further providing a filter and patterns for **light** shielding and **position** aligning targets on a glass plate, on which an electrode pattern for attaching a solid...

...CONSTITUTION: On a glass plate 2, outer leads 3, a **light** shielding pattern 4 and a target pattern 5 are formed by Cr. A filter pattern...

... dyed gelatin by a photoengraving method. The patterns agree with the bonding pad of a **pellet** 7, a picture element shielding part, a target pattern 9 and a picture element receiving part, respectively. The pad 8 of the **pellet** is overlapped on the outer leads 3 of a substrate. The targets 5 and 9...

... fused solid 10. It is desirable that an interval between the filter 6 and the **pellet** 7 is 10 .mu.m or less. A gap is filled with a transparent resin. Or the **light** receiving part is sealed in an airtight manner. In this constitution, the substrate having the...

29/3,X/15 (Item 15 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

01095708 **Image available**
METHOD FOR INSPECTING EXTERNAL APPERANCE TO WORK

PUB. NO.: 58-033108 [JP 58033108 A]
PUBLISHED: February 26, 1983 (19830226)
INVENTOR(s): TAKEMURA SEIICHI
APPLICANT(s): NEC HOME ELECTRONICS LTD [000193] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 56-131852 [JP 81131852]
FILED: August 21, 1981 (19810821)
JOURNAL: Section: P, Section No. 197, Vol. 07, No. 113, Pg. 30, May
18, 1983 (19830518)

ABSTRACT

PURPOSE: To improve accuracy in inspection and to obtain **light** sources having a long life, by independently picking up the surface image and the image of the outer configuration of the work such as a semiconductor **pellet** by utilizing polarized **light** beams having different polarizing axis, while increasing the brightness of the image...

...CONSTITUTION: The **light** sources 10 and 11 are always **lighted** . Under the state a polarizing filter 14 is continuously rotated, the **pellet** 1 is sent to an inspecting position P. The **pellet** 1 is simultaneously **lighted** by the polarized **light** m(sub 1) from the upper **position** and by the polarized **light** n(sub 1) from the lower **position** . The polarized **light** m(sub 2) which has been reflected by the **pellet** surface and the polarized **light** n(sub 2) which has passed the vicinity of the **pellet** 1 simultaneously enters a filter 14. Only the polarized **light** m(sub 2) in the direction of an X axis passes the filter 14 and enters an **image pickup** tube 9 when the polarizing axis of the filter 14 is directed to the X direction, and the image of the **pellet** surface is picked up. Only the polarized **light** n(sub 2) in the direction of a Y axis passes the filter 14 and enters the **image pickup** tube 9 when the polarizing axis of the filter 14 is directed to the Y direction, and the image of the outer configuration of the **pellet** is picked up.

29/3,K/16 (Item 16 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

01065841 **Image available**
DISCRIMINATION OF DIRECTION OF SEMICONDUCTOR **PELLET**

PUB. NO.: 58-003241 [JP 58003241 A]
PUBLISHED: January 10, 1983 (19830110)
INVENTOR(s): TAKEMURA SEIICHI
APPLICANT(s): NEC HOME ELECTRONICS LTD [000193] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 56-101635 [JP 81101635]
FILED: June 29, 1981 (19810629)
JOURNAL: Section: E, Section No. 166, Vol. 07, No. 72, Pg. 115, March 25, 1983 (19830325)

DISCRIMINATION OF DIRECTION OF SEMICONDUCTOR **PELLET**

ABSTRACT

PURPOSE: To accurately detect the direction of a semiconductor **pellet** according to the quantity of reflected **light** by emitting a **light** to the respective side surfaces of the **pellet** .

...
...CONSTITUTION: A **pellet** 1 which is directed upwardly at the surface is disposed perpendicularly to a recess 28...

... on the upper surface of a direction discriminating stage 27, and is supplied, an ITV **camera** 29 is disposed at the upper prescribed **position** of the stage 37, a **light** 31 is emitted toward the four side surfaces of the **pellet** 1 from the slits 30 formed on the four inner surfaces of the recess 28 via mirrors 32. 33, images thus obtained are picked up by the **camera** 29, the surface having larger quantity of **light** is detected by an electric signal, and which is compared with the reference voltage. Thus, the direction of the **pellet** 1 can be detected.

29/3,K/17 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

015572301 ****Image available****

WPI Acc No: 2003-634458/200360

XRPX Acc No: N03-504522

Automatic translucent/transparent particle inspection apparatus for use in e.g. plastic manufacture, picks up image of fully illuminated particle traveling from entry opening to exit opening of light container

Patent Assignee: DCS CORP (DCSD-N)

Inventor: SHYY Y; STRUCKHOFF A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6570177	B1	20030527	US 2000494305	A	20000131	200360 B

Priority Applications (No Type Date): US 2000494305 A 20000131

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6570177	B1	18	G01N-015/06	

... particle inspection apparatus for use in e.g. plastic manufacture, picks up image of fully illuminated particle traveling from entry opening to exit opening of light container

Abstract (Basic):

... A **camera** (502) picks up image of a fully **illuminated** particles traveling from the entry to the exit opening of a spherical **light** container (500). A computer (504) analyses the image data from the **camera** and outputs a signal to a reject mechanism (506). A pneumatic injector of the reject...

... charred raw material, contaminants from unmelted base constituents of polymer material, incorrectly sized or colored **pellets**, broken **pellets** and **pellets** that are stuck to each other and determining grade and quality transparent/translucent particles especially...

...or rodents in food processing. Also used in defect inspection particles such as white particles, **light** colored particles or opaque particles

...of missing a particle defect located on a side of the particle opposite to the **camera**, since **light** is not transmitted directly to **location** at which particles pass in front of **camera**. The processing speed of the **camera** and computer is equal or exceeds the manufacturing speed of the assembly or manufacturing line...

... **light** container (500...

... **camera** (502

...Title Terms: **ILLUMINATE** ;

29/3,K/18 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014404638 ****Image available****

WPI Acc No: 2002-225341/200228

Related WPI Acc No: 2004-346038

XRPX Acc No: N02-172764

Coordinate input and detection device for information display, has

filters arranged along optical path which is perpendicular to reflected light beam traveling direction

Patent Assignee: RICOH KK (RICO)

Inventor: ITO T

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010026268	A1	20011004	US 2001813991	A	20010322	200228 B
JP 2001282445	A	20011012	JP 200096991	A	20000331	200240
US 6654007	B2	20031125	US 2001813991	A	20010322	200378

Priority Applications (No Type Date): JP 200096991 A 20000331

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20010026268	A1	25	G09G-005/00	
JP 2001282445	A	15	G06F-003/03	
US 6654007	B2		G09G-005/00	

... device for information display, has filters arranged along optical path which is perpendicular to reflected light beam traveling direction

Abstract (Basic):

... A coordinate detector (10) detects the coordinate value of **light beam interruption position** based on the intensity distribution of the **light** reflected by retroreflective sheets (2). The filters are arranged along the optical path which is perpendicular to direction in which reflected **light** beams travel towards a intensity distribution detector.

... For information display with touch panel such as electronic blackboard, **video** conference apparatus, large scale protection touch panel apparatus, display integrated **tablet** and multimedia board...

...As thin sector shaped **light** beams are projected over the touch panel surface, wrong detection caused due to unnecessary interruption of **light** beam other than pen or finger indication is prevented. Detection accuracy of coordinate value of interrupted **light** beam is increased reliably to adjust and distributed **light** beam uniformly on the touch panel surface...

...Title Terms: **LIGHT** ;

29/3,K/19 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013838809 **Image available**

WPI Acc No: 2001-323021/200134

XPX Acc No: N01-232588

Coordinate input device for video conference system, detects input coordinate by computing difference between coordinate positions indicated during previous scan and that during present scan

Patent Assignee: RICOH KK (RICO)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001084091	A	20010330	JP 99257548	A	19990910	200134 B

Priority Applications (No Type Date): JP 99257548 A 19990910

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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Coordinate input device for video conference system, detects input coordinate by computing difference between coordinate positions indicated during previous scan...

Abstract (Basic):

... An optical unit (1) has **light** source which radiates **light** towards touch panel (3) in which reflector (4) is provided, which reflects **light** towards the receiver of optical unit. The receiver which performs repeated scanning of received **light** , computes difference between coordinate **positions** indicated during previous scan and that during present scanning, to detect input coordinate.
... Coordinate input device e.g. white board, electronic blackboard, display integrated **tablet** for **video** conference system...
...Title Terms: **VIDEO** ;

29/3,K/20 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012971187 **Image available**

WPI Acc No: 2000-143036/200013

XRAM Acc No: C00-045008

XRPX Acc No: N00-106963

Pill image pick up method for knitted fabric such as sweater - involves taking photograph of tested textile with line sensor camera which moves relatively with textile

Patent Assignee: ASAHI KASEI KOGYO KK (ASAH)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000008271	A	20000111	JP 98173448	A	1998061	200013 B

Priority Applications (No Type Date): JP 98173448 A 19980619

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 2000008271 A 4 D06H-003/08

Pill image pick up method for knitted fabric such as sweater...

...involves taking photograph of tested textile with line sensor camera which moves relatively with textile

...Abstract (Basic): NOVELTY - A line sensor **camera** and a tested textile with pills are moved relatively. A **light** source is provided in **position** such that the **illumination** condition to the pills is varied. The tested textile with pills is photographed by the line sensor **camera** . DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for **pill image pick up apparatus** .
...

...the pills are detected and photographed with high precision. DESCRIPTION OF DRAWING - The figure shows **pill - image pick - up apparatus** .

Title Terms: **PILL** ;

29/3,K/21 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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012054580 **Image available**

WPI Acc No: 1998-471491/199841

XRAM Acc No: C98-142764

XRPX Acc No: N98-367794

Image **forming** device - has developing unit for breaking
photosensitive component-containing microcapsules with strength weakened
by exposure process by applying pressure

Patent Assignee: BROTHER KOGYO KK (BRER)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10198043	A	19980731	JP 971299	A	19970108	199841 B

Priority Applications (No Type Date): JP 971299 A 19970108

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 10198043	A	12	G03F-007/26	

Image **forming** device -

...Abstract (Basic): The device comprises an exposure head (20), which incorporates **light** sources for irradiating **light** beams spread in radial patterns, and a mask with apertures located at **positions** corresponding to the respective **light** sources, for generating latent images by applying an exposure process on a photosensitive recording medium (37) for carrying microcapsules incorporating photosensitive components with strength varied by exposed to the **light** beams with different wavelengths and colouring materials, a feeding unit (68) for generating a relative...

...as to visualise the latent images by the colouring materials running out from the broken **capsules**, and a spring unit (63) for applying pressing force so as to pressing the exposure...

...a photosensitive recording material and the exposure heat is held constant always and strength of **light** beams irradiated on the surface of the photosensitive recording material are made uniform...

29/3,K/22 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012054577 **Image available**

WPI Acc No: 1998-471488/199841

XRAM Acc No: C98-142761

XRPX Acc No: N98-367791

Image **forming** device - has irradiating positions of light
emitting elements for light beams with shorter wavelength located
farther from developing unit in relative moving direction between
exposure head and photosensitive recording

Patent Assignee: BROTHER KOGYO KK (BRER)

Inventor: IWASAKI T

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10198040	A	19980731	JP 971294	A	19970108	199841 B

US 5949528 A 19990907 US 984098 A 19980107 199943

Priority Applications (No Type Date): JP 971294 A 19970108

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 10198040	A		14	G03F-007/26	
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US 5949528	A			G03B-027/00	
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Image **forming** device - ...

...has irradiating positions of light emitting elements for light beams with shorter wavelength located farther from developing unit in relative moving direction between exposure

...Abstract (Basic): The device comprises an exposure head (20), which incorporates **light** emitting elements for irradiating **light** beams with different wavelengths, for forming latent images by applying an exposure process on a photosensitive recording medium (37) for carrying micro **capsules** incorporating photosensitive components with strength varied by exposed to the **light** beams with different wavelengths and colouring materials; a feeding unit for generating relative movement between...

...medium along the photosensitive recording medium; and a developing unit (45) for breaking the micro **capsules** with strength weakened by the exposure process by applying pressure so as to visualise the latent images by the colouring materials running out from the broken micro **capsules**. Irradiating positions to the photosensitive recording medium of the **light** emitting elements for **light** beams with the shorter wavelength are located the farther from the developing unit in a...

...Title Terms: **LIGHT** ;

29/3,K/23 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011990529 **Image available**

WPI Acc No: 1998-407439/199835

Related WPI Acc No: 1998-134763; 1998-183916

XRAM Acc No: C98-122911

XRPX Acc No: N98-318133

Image **forming** device - comprises photosensitive recording medium, exposure head, feeding unit, and developing unit

Patent Assignee: BROTHER KOGYO KK (BRER)

Inventor: IWASAKI T

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10166651	A	19980623	JP 96335701	A	19961216	199835 B
US 6034712	A	20000307	US 97881155	A	19970624	200019

Priority Applications (No Type Date): JP 96335701 A 19961216; JP 96165621 A 19960626; JP 96195984 A 19960725

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 10166651	A		16	B41J-002/44	
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US 6034712	A			B41J-002/447	
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Image **forming** device -

...Abstract (Basic): The **image** forming device comprises: (a) a

photosensitive recording medium (37) carrying micro- **capsules** containing photosensitive components with strength changed by respective **light** beams with predetermined wavelength and respective colouring materials so as to form latent images by an exposure process; (b) an exposure head incorporating **light** emitting elements (7, 8, 9) for applying an exposure process on the photosensitive recording medium

...

...for visualizing the latent images by the respective colouring materials running out from the micro- **capsules** by pressing the photosensitive recording medium after an exposure process so as to break weakened micro- **capsules** . The exposure head is composed of a substrate (1) for mounting the **light** emitting elements (7, 8, 9), a mask (13) with apertures (12) located on **positions** of the respective **light** emitting elements, and optical separating members (2) arranged so as to prevent reaching of **light** beams to adjoining apertures by crossing passages of other **light** beams...

...ADVANTAGE - Deterioration of colour reproducibility, brightness reproducibility, resolution, etc., caused by stray **light** is prevented

...

29/3,K/24 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011930964 **Image available**
WPI Acc No: 1998-347874/199830
Related WPI Acc No: 1996-354034; 1997-145007; 1998-332752; 1999-034516
XRPX Acc No: N98-271564
Illumination **system for vision camera in assembly robot for electronics manufacturing - determines dimension of examination object and corresponding glue position based on obtained diffusion and reflection characteristics**

Patent Assignee: NORTHEAST ROBOTICS INC (NERO-N)

Inventor: WHITE T P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5764874	A	19980609	US 94331882	A	19941031	199830 B
			US 95501213	A	19950711	
			US 96725189	A	19961008	

Priority Applications (No Type Date): US 96725189 A 19961008; US 94331882 A 19941031; US 95501213 A 19950711

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5764874	A		25	G03B-015/03	CIP of application US 94331882
					CIP of application US 95501213
					CIP of patent US 5539485
					CIP of patent US 5604550

Illumination system for vision camera in assembly robot for electronics manufacturing...

...Abstract (Basic): The system has a **light** source irradiating coaxial **light** beams (7) along an observation axis, on surface of an examination object (12) such as...

...characteristics, respectively. A portion of the beams are reflected back along the observation object. An **imaging unit** located along the observation axis receives the reflected **light** beams, and is **positioned** such that it covers the entire planar surface of the examination object...

...bright and dark images formed in diffusion and reflection areas, respectively is computed by the **imaging unit**. Hence, the characteristics of image corresponding to the diffusion and reflection areas are determined. The...

...on PCB and solder connection, assembling ball bearings and foil packaging in cigarettes, pre-packed **capsules** and pills...

...relative position, precisely. Improves image quality. Distinguishes between specular and diffusion characteristics efficiently. Identifies reflected **light** beams accurately...

Title Terms: **ILLUMINATE** ;

29/3,X/25 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010976116 **Image available**

WPI Acc No: 1996-473065/199647

XRPX Acc No: N96-398948

Position detection input appts. e.g. digitiser tablet , light pen - has interface circuit for transmission of coordinate position of infrared ray LED which is computed based on video signal output from each infrared ray charge-couple device camera , to computer

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8240407	A	19960917	JP 9542885	A	19950302	199647 B

Priority Applications (No Type Date): JP 9542885 A 19950302

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8240407	A		6 G01B-011/00	

Position detection input appts. e.g. digitiser tablet , light pen...

...has interface circuit for transmission of coordinate position of infrared ray LED which is computed based on video signal output from each infrared ray charge-couple device camera , to computer

...Abstract (Basic): The appts. has an infrared position detector (1) that uses two infrared charge-couple device **cameras** (2a,2b) arranged at a predetermined interval. A coordinate input unit (4) uses an infrared **LED** (3) as the index of a coordinate position. A reset circuit (10) resets the infrared...

...A **video** -signal peak detector (13a,13b) detects the peak **position** of the infrared ray **LED** from the **video** signal of the infrared ray **CCD cameras**. A calculating circuit (15) computes the coordinate **position** of the infrared ray **LED** based on the peak detected signal. The coodinate position is transmitted to a computer through...

...appts. for effective utilisation of work space. Provides setting of resolution and detecting range of **CCD camera** by use of lens multiplying-factor coordinating mechanism. Improves operativity by emitting warning sound when coordinate position is out of **CCD camera** range...

...Title Terms: **TABLET** ;

29/3,K/26 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010768397 **Image available**

WPI Acc No: 1996-265351/199627

XRPX Acc No: N96-223120

Stamp display reading device for nuclear fuel pellet - has recognition part to read contents of stamp display from display data obtained by extraction part

Patent Assignee: MITSUBISHI NUCLEAR FUEL CO LTD (MITS-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8110930	A	19960430	JP 94245698	A	19941011	199627 B

Priority Applications (No Type Date): JP 94245698 A 19941011

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8110930	A	7	G06K-009/20	

Stamp display reading device for nuclear fuel pellet -

...Abstract (Basic): stamp display reading device consists of a display detector with a projection pat to irradiate **light** and an **image pickup sensor** (6) which received the reflected **light** from the stamp display (3...

...An extraction part distinguished and extracts the stamp display from the **light** reception **position** A recognition part reads the contents of the stamp display from the display data obtained...

...Title Terms: **PELLET** ;

29/3,K/27 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010006287 **Image available**

WPI Acc No: 1994-273998/199434

XRPX Acc No: N94-215914

Lighting device for pictorial image exposure in e.g. electronic copying machine - uses bottom LED away and positioned matching of case and wiring wafer to form unified device

Patent Assignee: TOSHIBA LIGHTTECH KK (TOKE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6202537	A	19940722	JP 92348744	A	19921228	199434 B

Priority Applications (No Type Date): JP 92348744 A 19921228

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 6202537 A 10 G03G-021/00

Lighting device for pictorial image exposure in e.g. electronic copying machine...

...uses bottom LED away and positioned matching of case and wiring wafer to form unified device

...Abstract (Basic): The lighting device carries out position matching by combining the wiring wafer which **positions** two or more **LED pellets** (2) and the case (4) which punches the guide **light** hole. It has **LED pellets** formed on the wafer (1). The case has a wafer insertion slot (7) in which the wafer along with the **LED** array is inserted. The case has a guide **light** hole (8) for directing the **light** from the LEDs...

...The window part (9) aids in position matching by placing each set of LED pellets below the guide light hole. The control circuit (3) is also developed on the wafer...

Title Terms: **LIGHT** ;

29/3,K/28 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

009942810 **Image available**
WPI Acc No: 1994-210523/199426
XRAM Acc No: C94-096235
XRPX Acc No: N94-165794

Nuclear fuel pellet examination system using light beam - includes point-by-point analysis of reflection of light from surface to determine position and size of surface faults
Patent Assignee: SOC FRANCO-BELGE FAB COMBUSTIBLE (FRBE-N); FRBC SOC FRANCO BELGE FAB COMBUSTIBLES (FRBC-N)

Inventor: BERNARDIN M; BOUVET P; WACHE C
Number of Countries: 011 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 605317	A1	19940706	EP 93403183	A	19931227	199426 B
FR 2700007	A1	19940701	FR 9215847	A	19921229	199429
JP 6294745	A	19941021	JP 93336019	A	19931228	199502
TW 239891	A	19950201	TW 94101056	A	19940208	199516
ZA 9309728	A	19950830	ZA 939728	A	19931228	199540
US 5602646	A	19970211	US 93174300	A	19931228	199712
			US 95541205	A	19951012	
CN 1107249	A	19950823	CN 93121503	A	19931229	199732

Priority Applications (No Type Date): FR 9215847 A 19921229

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 605317	A1	F	10	G01N-021/88	
Designated States (Regional): BE DE ES GB SE					
FR 2700007	A1		23	G01N-021/88	
JP 6294745	A		9	G01N-021/88	
ZA 9309728	A		23	G01N-000/00	
US 5602646	A		9	G01N-021/84	Cont of application US 93174300
TW 239891	A			G21C-003/00	
CN 1107249	A			G21C-017/06	

Nuclear fuel pellet examination system using light beam...

...includes point-by-point analysis of reflection of light from surface to determine position and size of surface faults

...Abstract (Basic): A flat beam is focussed onto a generator line of the cylinder, and the reflected **light** is received along an extended zone. The zone is uniformly **illuminated** by a perfect pastille...

...The intensity of reflected light is detected point-by-point along the line, and faults are determined by the variation...

...USE/ADVANTAGE - System allows detection of fissures in nuclear fuel **pellets** (oxides of uranium), and determination of their relative significance...

...Abstract (Equivalent): Method for automatically classifying cylindrical nuclear-fuel **pellets**, comprises: (a) rotating each **pellet** to be classified about its axis; (b) focusing a flat beam coming from a **light** source onto a nominal generatrix of each the **pellet**, while the **pellet** is rotated; (c) collecting returned **light** coming from an elongate zone which would be the zone **illuminated** on a defect-free **pellet** of nominal dia.; (d) detecting reflected **light** intensity, point by point, along the elongate zone; and (e) deriving defects from variations in the **light** intensity by: (i) determining those of the points in each zone from which the intensity of returned **light** lies between an adjustable upper normality threshold and an adjustable lower normality threshold; (ii) storing...

...defect among predetermined natures of defect, each nature being identified by geometrical criteria and average- light -intensity criteria of the defect; and (iv) classifying the pellets by assigning each of the pellets to a class selected between at least one class of correct pellets and one class of rejected pellets, depending on a the nature of defect, steps (a) to (e) being carried out only once per pellet; where step (e) includes successively storing the intensities of all points of the abnormality region...

...Title Terms: PELLETT ;

29/3,K/29 (Item 13 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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009393771 **Image available**
 WPI Acc No: 1993-087238/199311
 XRPX Acc No: N93-066721

Object surface image pick - up , e.g. medical capsule - using beam splitter to separate light from high and low brightness parts for passage through optical filters and noise removing amplifiers prior to digitising

Patent Assignee: IKEGAMI TSUSHINKI KK (IKET)
 Inventor: OKADA T; SUZUKI K
 Number of Countries: 008 Number of Patents: 006
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 532259	A2	19930317	EP 92308110	A	19920908	199311 B
JP 5066203	A	19930319	JP 91228078	A	19910909	199316
US 5247169	A	19930921	US 92941787	A	19920908	199339
EP 532259	A3	19950118	EP 92308110	A	19920908	199538
EP 532259	B1	19990519	EP 92308110	A	19920908	199924
DE 69229206	E	19990624	DE 629206	A	19920908	199931

Priority Applications (No Type Date): JP 91228078 A 19910909

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 532259	A2	E	12	G01N-021/88	
Designated States (Regional): CH DE FR GB LI SE					
US 5247169	A		10	G01J-003/50	
EP 532259	B1	E		G01N-021/88	
Designated States (Regional): CH DE FR GB LI SE					
DE 69229206	E			G01N-021/88	Based on patent EP 532259
JP 5066203	A			G01N-021/85	
EP 532259	A3			G01N-021/88	

Object surface image pick - up , e.g. medical capsule - ...

...using beam splitter to separate light from high and low brightness parts for passage through optical filters and noise removing amplifiers

...Abstract (Basic): of picking up an image of an object surface to be inspected involves transporting a **capsule** on a conveyor (51) and rotating on spin rollers (52) to **position** it for **illumination** by a **light** (1). Reflected **light** is collected and passed to a beam splitter (3) through a lens (2). Optical filters (4,5) set the quantity of transmitted **light** from a high brightness and a low brightness part of the **capsule** to reference levels...

...each of the filters is divided into a number of filter segments having different transmission **light** wavelength ranges. The filters are moved by a motor drive. **CCD line image sensors** (6,7) **pick up light** from the sensors to provide signals to amplifiers (8,9) with filters (10,11) removing...

...Abstract (Equivalent): An object to be inspected is, for example, a medical **capsule** having differently coloured surface areas. A beam splitter divides **light** reflected by the surface of the object into two parts. Each of the divided parts of the **light** is passed through an optical filter whose transmission wavelength range is set according to the colours of the object, to adjust the quantity of transmitted **light** from a high brightness part of the object surface and the quantity of transmitted **light** from a low brightness part of the object surface to a reference level...

... **Image pick - up elements pick up images** of the object surface according to the divided parts of the **light** and provide image signals. One of the image signals is selected and provided outside

...Title Terms: **CAPSULE** ;

29/3,K/30 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008511911 **Image available**

WPI Acc No: 1991-015995/199103

XRPX Acc No: N91-012372

Optical stylus and passive digitising tablet data input system - encodes absolute positional information in binary form from SO pen position on tablet is determined by illuminating area

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)

Inventor: BENNETT W E; BOLES S J; DAVIES A R; ETZOLD K F; RODGERS T K;

BOIES S J; ETZOLD K
Number of Countries: 004 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 407734	A	19910116	EP 90110579	A	19900605	199103 B
US 5051736	A	19910924	US 89373298	A	19890628	199141
EP 407734	B1	19950816	EP 90110579	A	19900605	199537
DE 69021661	E	19950921	DE 621661	A	19900605	199543
			EP 90110579	A	19900605	

Priority Applications (No Type Date): US 89373298 A 19890628

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 407734	A				
Designated States (Regional): DE FR GB					
EP 407734	B1	E	29	G06K-011/08	
Designated States (Regional): DE FR GB					
DE 69021661	E			G06K-011/08	Based on patent EP 407734

Optical stylus and passive digitising tablet data input system...

...encodes absolute positional information in binary form from SO pen position on tablet is determined by illuminating area

...Abstract (Basic): The stylus and **tablet** X-Y data input system is for a **video** display system. The pen comprises an optical stylus having suitable pickup and the **tablet** is passive in nature and provides direct digitised data readout. Absolute positional information is encoded in binary form in the **tablet** in such a fashion that the pen position upon the **tablet** is automatically determinable by **illuminating** a particular area of the **tablet** and reading off the digitised X-Y co-ordinate data stored therein...

...Abstract (Equivalent): conjunction with an electronic computer system comprising in combination: an optical stylus (10) including an **illumination** source (12) and a pick up means (14;211) for detecting absolute binary location data from a passive digitizing **tablet** when said stylus is passed over the surface thereof, and a passive locator **tablet** (1) for use with said optical stylus member having permanently recorded encoded X-Y coordinates thereon, characterized by the passive locator **tablet** having distributed throughout the surface thereof a plurality of discrete sets of **tablet** address cells, TACs, each TAC comprising a digitally encoded X-Y coordinate pair which defines the absolute location of the TAC on the surface of said **tablet**, wherein said code comprises a two-dimensional, DC balanced binary code, i.e. a code...

...encoded binary '1's' than the other three quadrants, means (80,82,84) on said **tablet** for unambiguously demarking the boundaries of individual TACs, the density of the TACs being at...

...picked up by said stylus as the stylus is passed over the surface of the **tablet**, and data generating means (411,511,611) for producing a complete TAC data pair (X...

...Abstract (Equivalent): The pen includes an optical styling having a suitable pick up mechanism and the **tablet** is passive in nature and provides direct digitised data readout. Absolute positional information is encoded in binary form in the **tablet** in such a fashion that the pen position upon the **tablet** is automatically determinable by **illuminating** a particular area of the **tablet** and reading off the digitised X-Y coordinate data stored therein...

...USE/ADVANTAGE - Stylus and table X-Y data input system for **video** display system. Greatly improved resolution, sampling rate accuracy and general robustness particularly for such applications...
...Title Terms: **TABLET** ;

29/3,K/31 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

008329605 **Image available**
WPI Acc No: 1990-216606/199028
XRPX Acc No: N90-168317

Optical digitiser or tablet - uses linear image sensor behind microlouver strip extending along coordinate axis plane

Patent Assignee: SUMMAGRAPHICS CORP (SUMM-N)

Inventor: PURCELL A M

Number of Countries: 015 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4936683	A	19900626	US 89369729	A	19890622	199028 B
WO 9015966	A	19901227				199103

Priority Applications (No Type Date): US 89369729 A 19890622

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9015966 A

Designated States (National): CA JP

Designated States (Regional): AT BE CH DE DK ES FR GB IT LU NL SE

Optical digitiser or tablet - ...
...uses linear image sensor behind microlouver strip extending along coordinate axis plane

...Abstract (Basic): An optical X,Y coordinate position measuring appts. comprises a **tablet** having an **illuminated** field generated by a continuous **light** source and a pair of linear **image** or optical **sensors** , each extending parallel to a coordinate axis. One linear **image sensor** is used for each of the two coordinate axes. The arrangement is such that the **light** from the continuous **light** source impinges on the probe or cursor whose coordinate position on the **tablet** is desired and is reflected back to one or both of the coordinate axes. Each linear **image sensor** pref. comprises an array of photosensors which are respectively aligned with a like number of...

...The microlouvres are respectively aligned with the reflected **light** from the source such that the source is effectively imaged on a respective photosensor to which certain of the reflected **light** is being directed, and it in turn generates an electrical signal corresponding to that detected reflected **light** by the probe or cursor **positioned** on the **tablet** . Circuitry is coupled to the linear **image sensor** output to mitigate or remove signal-spoiling effects and to compute the cursor's position linearly and very accurately. External optical filters can be used to remove the ambient **lights** . In this embodiment, the **light** source and detector are associated with the **tablet** , and the cursor is a purely passive reflector...

...Title Terms: **TABLET** ;

29/3,K/32 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008190185 **Image available**

WPI Acc No: 1990-077186/199011

XRPX Acc No: N90-059292

Device for formation of images - has lamp disposal below
photosensitive sheet and light blocking plate and pressure-rupturable
capsules

Patent Assignee: SHARP KK (SHAF)

Inventor: IBUCHI Y

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 358489	A	19900314	EP 89309036	A	19890906	199011 B
US 5028952	A	19910702	US 89405619	A	19890907	199129
EP 358489	B1	19960103	EP 89309036	A	19890906	199606
DE 68925321	E	19960215	DE 625321	A	19890906	199612
			EP 89309036	A	19890906	

Priority Applications (No Type Date): JP 88227065 A 19880909

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 358489	A	E 10		
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Designated States (Regional): DE FR GB

EP 358489	B1	E 14	G03F-007/00	
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Designated States (Regional): DE FR GB

DE 68925321	E		G03F-007/00	Based on patent EP 358489
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Device for formation of images - ...

...has lamp disposal below photosensitive sheet and light blocking plate
and pressure-rupturable capsules

...Abstract (Basic): staying at a buffer section and which is turned on
during the period of a **light** -exposure step. A **light** -blocking plate
directs the **light** from the lamp onto a portion of said photosensitive
sheet between a pressure-transfer section...

...The pressure-rupturable **capsules** on a non-image area of the
photosensitive sheet are hardened and do not rupture...

...Abstract (Equivalent): a photosensitive sheet (34), a surface of the
photosensitive sheet being coated with pressure-rupturable **capsules**
which are hardened when exposed **light** , the appts. comprising:
transport rollers (38) for transporting the photosensitive sheet (34);
a **light** -exposure section (30) for selectively exposing the coated
surface of the photosensitive sheet (34) to **light** during a **light**
-exposure period to form a latent image on it; a pressure-transfer
section (6) for...

...photosensitive sheet (34) during a pressure-transfer period; a buffer
roller (1) provided between the **light** -exposure section (30) and the
pressure-transfer section (6), the buffer roller (1) moving from a
first position (BP) to a second **position** (AP) during the **light**
-exposure period and moving from the second position (AP) to the first
position (BP) during the pressure-transfer period, where the movement
of the buffer roller (1) during the **light** -exposure period and the
rotation of the transport rollers (38) transports the leading end of an
image area on the photosensitive sheet (34), which is located in the

light -exposure section at the beginning of the **light** -exposure period, to a predetermined exposure-ending position (P1') between the second position (AP) of...

...comprises a lamp (7) for exposing the coated surface of the photosensitive sheet (34) to **light** , and a **light** blocking device (8) for directing **light** from the lamp (7) onto a non-image area of the photosensitive sheet (34), the **light** -blocking means (8) directing **light** from the lamp (7) onto the whole of a non-image area of the photosensitive...

...smaller distance (l1) from the exposure-ending position (P1'), such that the intensity of the **light** directed to a leading portion of the non-image area is lower than that directed to a trailing portion of the non-image area whereby the amt. of **light** received by the leading portion of the non-image area is equal to that received...

...Abstract (Equivalent): staying at a buffer section and which is turned on during the period of a **light** -exposure step. A **light** -blocking plate directs the **light** from the lamp into a portion of the photosensitive sheet between a pressure-transfer section and the front end of a latent image. Pressure-rupturable **capsules** on a non-image area of the photosensitive sheet are hardened and do not rupture...

...Title Terms: **LIGHT** ;

29/3,K/33 (Item 17 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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007303852

WPI Acc No: 1987-300859/198743

XRPX Acc No: N87-224745

Creation of drafts for printing of packaging material - uses video scanners and graphics tablet linked to computer to allow pre-production of complex graphical images

Patent Assignee: PUBLIGRAFA (PUBL-N)

Inventor: BREGER G M C

Number of Countries: 014 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 243228	A	19871028	EP 87400725	A	19870402	198743 B
FR 2596894	A	19871009				198748
US 4972329	A	19901120				199049
EP 243228	B	19910710				199128
DE 3771264	G	19910814				199134
ES 2025177	B	19920316				199216

Priority Applications (No Type Date): FR 864867 A 19860404

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 243228	A	F	7		

Designated States (Regional): AT BE CH DE ES GB GR IT LI LU NL SE

EP 243228	B
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Designated States (Regional): AT BE CH DE ES GB GR LI LU NL SE

... **uses video scanners and graphics tablet linked to computer to allow pre-production of complex graphical images**

...Abstract (Basic): The system comprises: a **video** scanner (1,4), a graphics screen (3) with a controlling keyboard (8), a graphics **tablet** (7), and a control screen (6) together with a managing computer (9)

for the image...

...the graphical images and the pictorial images from the image scanner and from the graphics **tablet** (7) to allow their manipulation to facilitate the production of a draft of the graphic...

...Abstract (Equivalent): variation of the range of a packaging and its positioning which comprises: - at least one **device** for reading **images** (1,4) using **video** techniques; - at least one image graphics console (3) with a control keyboard (8) for composing...

...in that: -the reading means (1,4) consist of a scanning means (1) and a **video camera** (4); - the screening means (9,10,12) for the line and shaded images break up...

...each half tone point or border line by means of a set of elemental points **positioned** by the controlling of the **light** pencil originating from the laser source of the printing system (13); - the computer (9) managing...

...Abstract (Equivalent): to be placed on an article of manufacture, comprises a graphics console having a graphic **tablet** for tracing a drawing representative of a portion of a wrapper to be printed, and...

...the vectorial information for producing a visible geometric figure image of the wrapper portion. A **video** input device scans an object separate from the drawing and is operative to generate **video** signals representative of additional information...

...Another device couples information derived from the **video** signals to the monitor in combination with the vectorial information to produce a composite visual image of the wrapper consisting of the additional information derived from the **video** signals superimposed on the geometric figure image represented by the vectorial information derived from the graphic **tablet**. A manually operable unit device is coupled to the computer for selectively modifying the appearance...

...Title Terms: **VIDEO** ;

29/3,K/34 (Item 18 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
 (c) 2005 Thomson Derwent. All rts. reserv.

001239140

WPI Acc No: 1975-C2928W/197509

Counting shot penetrations on target of nontransparent material - by scanning with television camera reacting to light from holes in target

Patent Assignee: E HENRICHSEN (HENR-I)

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2364389	B	19750220				197509 B
BE 823062	A	19750401				197519

Priority Applications (No Type Date): DE 2364389 A 19731222

... **by scanning with television camera reacting to light from holes in target**

...Abstract (Basic): The hole counting T.V. **camera** establishes at regular time intervals on scanning the target whether a penetration has been

made...

...shot particles or not. The counting system reacts to the presence or absence of the **light** at the scanning **position** . This apparatus is used for finding the percentage efficiency of hitting the target by comparing the number of holes in the target with the number of shot **pellets** in the cartridge. Between the target and the **camera** is arranged a projecting lens. This lens projects **light** on the target and through the hole in the target is such a manner that...

...the screen in front of the target in enlarged form which facilitates scanning by the **camera** . The screen is a matt panel for forming the enlarged images of the holes made...

...Title Terms: **CAMERA** ;

?

35/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014405661 **Image available**

WPI Acc No: 2002-226364/200228

XRPX Acc No: N02-173713

In vivo imaging system for use in applications such as imaging digestive tract, uses camera , illumination source and transmitter enclosed in capsule suitable for insertion into and passing through body lumens or cavities

Patent Assignee: GIVEN IMAGING LTD (GIVE-N); AVNI D (AVNI-I); GLUKHOVSKY A (GLUK-I); IDAN G J (IDDA-I); MERON G (MERO-I)

Inventor: **AVNI D ; GLUKHOVSKY A ; IDAN G ; MERON G ; IDAN G J**

Number of Countries: 097 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200165995	A2	20010913	WO 2001IL218	A	20010308	200228 B
AU 200141004	A	20010917	AU 200141004	A	20010308	200228
US 20010035902	A1	20011101	US 2000187883	P	20000308	200228
			US 2001800470	A	20010308	
-EP 1263318	A2	20021211	EP 2001912088	A	20010308	200301
			WO 2001IL218	A	20010308	
KR 2003025222	A	20030328	KR 2002711833	A	20020909	200346
JP 2003526268	W	20030902	JP 2001564653	A	20010308	200358
			WO 2001IL218	A	20010308	
CN 1427692	A	20030702	CN 2001807801	A	20010308	200361
TW 222833	B1	20041021	TW 2002122442	A	20020927	200532
IN 200201633	P4	20050128	IN 2002CN1633	A	20021007	200535
			WO 2001IL218	A		

Priority Applications (No Type Date): US 2000187883 P 20000308; US 2001800470 A 20010308

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200165995 A2 E 31 A61B-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200141004 A A61B-000/00 Based on patent WO 200165995

US 20010035902 A1 H04N-007/18 Provisional application US 2000187883

EP 1263318 A2 E A61B-005/05 Based on patent WO 200165995

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

KR 2003025222 A A61B-001/04

JP 2003526268 W 29 H04N-005/225 Based on patent WO 200165995

CN 1427692 A A61B-005/05

TW 222833 B1 H04N-007/18

IN 200201633 P4 E A61B-005/05

In vivo imaging system for use in applications such as imaging digestive tract, uses camera , illumination source and transmitter enclosed in capsule suitable for insertion into and passing through body lumens or cavities

Inventor: **AVNI D ...**

... GLUKHOVSKY A ...

... IDAN G ...

... MERON G ...

... IDAN G J

Abstract (Basic):

... **Imaging device** (10) has an optical window (21) and includes **illumination** source (23), e.g. a white **LED** , CMOS imaging **camera** (24) and optical system (22) to focus images on the **camera** . The device also includes a transmitter (26) and antenna (27) for transmitting images to a system outside the patient's body. The device is **capsule** suitable for insertion into and passing through body lumens or cavities.

... a) A swallowable **capsule** for in vivo imaging of the gastrointestinal tract...

...c) In a **device** for in vivo **imaging** , a transmitter for transmitting signals from the CMOS imaging **camera** to a receiving system...

...d) In a **device** for in vivo **imaging** , an **illumination** source for **illuminating** the site in vivo, and...

...In a swallowable form the **capsule** provides a more comfortable means of obtaining images than an endoscope, with reduced risk of...

...The figure is a schematic longitudinal cross section illustration of an in vivo **imaging device** .

... **Imaging device** (10...

... **Illumination** source (23...

...CMOS imaging **camera** (24

...Title Terms: **CAMERA** ;

File 348:EUROPEAN PATENTS 1978-2005/Sep W04

(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2005/UB=20051006,UT=20050929

(c) 2005 WIPO/Univentio

Set	Items	Description
S1	202464	CAPSULE?? OR PILL OR TABLET?? OR PELLET??
S2	1792	INGESTIB?(5N) (S1 OR DEVIC?? OR UNIT??)
S3	2640	(WIRELESS? OR WIRE()LESS OR CELLULAR? OR RADIO?) (5N) (S1 OR S2)
S4	162851	CAMERA?? OR CCD? ? OR IMAG????(3N) (PICKUP OR PICK()UP OR D- EVIC?? OR SENSOR?? OR APPARATUS?? OR EQUIPMENT?? OR UNIT?? OR TERMINAL??) OR CHARGED(2N) COUPLE?? (2N) DEVIC??
S5	140327	VIDEO?? OR CAMCODER?? OR CAM()CODER?? OR DIGICAM??
S6	74441	GASTROINTEST? OR GASTRO??? OR DIGESTION(3N) SYSTEM?? OR STO- MACH?? OR ABDOMINAL?? OR GI(2N) TRACT???
S7	623229	LED OR LIGHT?? (2N) DIOD? OR LIGHT(2N) EMIT????? (2N) DIOD?? OR LIGHT?? OR ILLUMINAT?
S8	195179	TRANSMITTER?? OR TRANSCEIVER?? OR (TRANSMIT? OR TRANSMISSI- ON?) (3N) (DEVIC?? OR EQUIPMENT?? OR UNIT?? OR TERMINAL?? OR AP- PARATUS??)
S9	262517	(EXTERIOR?? OR END OR OUTER?? OR OPAQUE?? OR VIEW??? OR VI- SUAL??) (2N) (SURFACE?? OR WINDOW?? OR PANEL??)
S10	61666	(LOCATION?? OR POSITION?? OR PLACE?? OR PLACEMENT??) (5N) S7
S11	119763	IN() VIVO?? OR INVIVO??
S12	127	AU=(IDDAN G? OR IDDAN, G? OR AVNI D? OR AVNI, D? OR GLUKHO- VSKY A? OR GLUKHOVSKY, A? OR MERON G? OR MERON, G?)
S13	0	S3(S) (S4 OR S5) (S) S6(S) S8(S) S9(S) S10(S) S11
S14	0	S3(S) (S4 OR S5) (S) S6(S) S8(S) S9
S15	9	S3(S) (S4 OR S5) (S) S6
S16	14	S3(S) (S4 OR S5) (S) S7
S17	10	S16 NOT S15
S18	5	S17 NOT AD=20000803:20021011/PR
S19	4	S18 NOT AD=20021011:20051011/PR
S20	10	S3(S) S10
S21	5	S20 NOT AD=20000803:20021011/PR
S22	4	S21 NOT AD=20021011:20051011/PR
S23	3	S22 NOT (S19 OR S16)
S24	3	S23 NOT S15
S25	480	(S1 OR S2) (S) (S4 OR S5) (S) S7
S26	41	S25(S) S10
S27	6	S26(S) (WIRELESS OR WIRE()LESS OR CELLULAR OR RADIO?)
S28	6	S26(S) (WIRELESS OR WIRE()LESS OR CELLULAR OR RADIO)
S29	5	S28 NOT (S19 OR S16 OR S23)
S30	48	S12 AND (S1 OR S2) AND (S4 OR S5)
S31	45	S30 AND S7
S32	43	S31 NOT (S27 OR S19 OR S16)
S33	22	S32 NOT AD=20000803:20021011/PR
S34	8	S33 NOT AD=20021011:20051011/PR
S35	5	S34 AND S25

?

15/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00270509

Pharmaceutical formulation.

Arzneiformulierung.

Formulation pharmaceutique.

PATENT ASSIGNEE:

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Square, London WC1N 1AX, (GB), (applicant designated states:
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LEGAL REPRESENTATIVE:

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53-64 Chancery Lane, London WC2A 1HN, (GB)

PATENT (CC, No, Kind, Date): EP 265061 A1 880427 (Basic)
EP 265061 B1 920108

APPLICATION (CC, No, Date): EP 87307973 870909;

PRIORITY (CC, No, Date): GB 8622482 860918; GB 8708011 870403

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: A61K-009/52;

ABSTRACT WORD COUNT: 98

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	638
CLAIMS B	(German)	EPBBF1	842
CLAIMS B	(French)	EPBBF1	1003
SPEC B	(English)	EPBBF1	7855
Total word count - document A			0
Total word count - document B			10338
Total word count - documents A + B			10338

...SPECIFICATION pellets having a density of 1.5g/ml.

A sample of the light or heavy **pellets** was fed to healthy
volunteers **who** were each either fasted or had received a light
breakfast and the radioactivity within **the stomach** region of interest
was observed using the technique of gamma scintigraphy using two gamma
cameras one at the front of the volunteer and the other at the back for
accuracy...

15/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01192784

LOW DOSE PHARMACEUTICAL POWDERS FOR INHALATION

POUDRES PHARMACEUTIQUES FAIBLEMENT DOSEES INHALABLES

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except: US)

Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)
Legal Representative:
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Patent and Priority Information (Country, Number, Date):
Patent: WO 2004112702 A2 20041229 (WO 04112702)
Application: WO 2004US18782 20040614 (PCT/WO US04018782)
Priority Application: US 2003478315 20030613
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 11293

Fulltext Availability:
Detailed Description

Detailed Description

... radiolabeled placebo particles sitting upright, with their head and
lungs posterial to the planar gamma **camera** . After a 5 s breath hold,
the volunteers were instructed to exhale into a filter...

...CO). Immediately following the radiolabeled dose, posterior
scintigraphic images were taken using a planar gamma **camera** (DIACAM, I
0 Siemens Gaminsonics, Inc., Hoffinan Estates, IL). Four regions of
interest were drawn around the left lung, right lung, **stomach** , and
oropharynx (which included the upper part of the trachea). After
subtracting the background activity, each region was corrected for tissue
attenuation. The **radioactivity** in the pre-dosed **capsule** and the
radioactivity remaining in the inhaler mouthpiece, inhaler body,
post-dosed capsule, 1 5 and exhalation filter...the trachea). After
subtracting the background activity, each region was corrected for tissue
attenuation. The **radioactivity** in@the pre-dosed **capsule** and the
radioactivity remaining in the inhaler mouthpiece, inhaler body,
post-dosed capsule, and exhalation filter were measured...

15/3,K/3 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01120563 **Image available**
GUIDED CAPSULE FOR WIRELESS ENDOSCOPY, BIOPSY, AND DRUG DELIVERY
CAPSULE GUIDEE POUR LIBERATION DE MEDICAMENT, BIOPSIE ET ENDOSCOPIE SANS
FIL

Patent Applicant/Assignee:
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Legal Representative:
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200441068 / A2 20040521 (WO 0441068)
Application: WO 2003US34716 20031031 (PCT/WO US03034716)
Priority Application: US 2002423315 20021031
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD
SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8234

Fulltext Availability:
Detailed Description

Detailed Description

Guided **Capsule** for **Wireless** Endoscopy, Biopsy, and Drug Delivery
BACKGROUND OF THE INVENTION
In general, the present invention relates to in vivo scope techniques to
view the **stomach** and large (colon) and small (duodenum, etc.)
intestines and especially to the less-invasive **wireless capsule** -type
endoscopy techniques, whereby no physical wire connections are employed
to scope the inside of the **gastrointestinal** tract of a body.
Traditional **wireless capsule** -type endoscopy techniques involve
passive movement of a capsule containing a tiny **camera** , through the
body organs.

More-specifically, the instant invention is directed to several new
features...

15/3,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

01117924 **Image available**

SYSTEM AND METHOD FOR IN VIVO DETECTION OF H. PYLORI
SYSTEME ET METHODE DE DETECTION IN VIVO DE H. PYLORI

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information, (Country, Number, Date):

Patent: WO 2004/39233 A2-A3 20040513 (WO 0439233)
Application: WO 2003IL893 2003/1030 (PCT/WO IL03000893)
Priority Application: US 2002422483 2002/1031

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4663

Fulltext Availability:

Detailed Description

Detailed Description

... to one embodiment of the invention, includes contacting an in vivo
sensing device with the **stomach** wall (mucus). Endo-luminal pH in the
vicinity of the mucus or any products of...
...A method according to another embodiment may include ingesting urea and
inserting into the upper **GI tract** an in vivo sensing device.
Endo-luminal pH or other enzymatic reaction products can be...
...enabling in vivo detection of H. pylori. According to one embodiment the
in vivo sensing **device** is an **ingestible wireless device**, which
includes an appropriate sensor (such as a pH sensor) and which can
transmit data...
...unit that receives data from the device. According to some embodiments
the in vivo sensing **device** includes an **imaging unit**.

3

BRIEF DESCRIPTION OF THE DRAWINGS

The present invention will be understood and appreciated more...

15/3,K/5 (Item 4 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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01001217 **Image available**

ALBUMIN FUSION PROTEINS

PROTEINES DE FUSION D'ALBUMINE

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200330821 A2-A3 20030417 (WO 0330821)

Application: WO 2002US31794 20021004 (PCT/WO US0231794)

Priority Application: US 2001327281 20011005

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 148392

15/3,K/6 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2005 WIPO/Univentio. All rts. reserv.

00946156 **Image available**

A METHOD FOR TIMING CONTROL

PROCEDE DE REGLAGE D'UN INTERRUPTUEUR

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200280376 A2-A3 20021010 (WO 0280376)

Application: WO 2002IL253 20020326 (PCT/WO IL2002000253)

Priority Application: US 2001279406 20010329

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4469

Fulltext Availability:
Detailed Description

Detailed Description

... be used

in a swallowable capsule to obtain images of a large portion of the **GI tract**. A **wireless capsule** comprising the **imaging device** of the invention, illumination for illuminating a site of interest in the **GI tract** and a transmitter for transmitting images captured by the **imaging device** to an external receiving system, can perform as an autonomous endoscope for imaging the **GI tract**.

4

BRIEF DESCRIPTION OF THE DRAWINGS

The present invention will be understood and appreciated more...

15/3,K/7 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00921980 **Image available**

A SYSTEM AND METHOD FOR DETERMINING IN VIVO BODY LUMEN CONDITIONS
SYSTEME ET METHODE PERMETTANT DE DETERMINER DES CONDITIONS DE LUMIERES
CORPORELLES IN VIVO

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Patent Applicant/Inventor:

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Legal Representative:

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Shenkar Street, 46725 Herzlia, IL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200255984 A2-A3 20020718 (WO 0255984)

Application: WO 2002IL41 20020116 (PCT/WO IL0200041)

Priority Application: US 2001261189 20010116

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5584

Fulltext Availability:
Detailed Description

Detailed Description

... 531 can pass

through the entire digestive tract and thus can operate as an autonomous **video** endoscope. A capsule optionally utilized according to an embodiment of the invention may include an imaging system, such as a **video camera** system and a transmitter, optionally a wireless transmitter, which transmits the **video** output of the imaging system. The exact location of the capsule can be known at...
 ...enabling to associate a specific image with a specific location of the capsule in the **GI tract**. Other
 I I
 capsules are described in US 6,240,312, To Alfano, and in...
 ...gas flow. Another capsule may contain a rotation mechanism that can be charged by external **radio** waves and that can initiate **capsule** rotation.

Referring now to Fig. 2, device 30 comprises a planar light source 32, an ...

15/3,K/8 (Item 7 from file: 349)
 DIALOG(R)File 349:PCT FULLTEXT
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00534689

94 HUMAN SECRETED PROTEINS

94 PROTEINES HUMAINES SECRETEES

Patent Applicant/Assignee:

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 RUBEN Steven M,
 NI Jian,
 ROSEN Craig A,
 WEI Ying-Fei,
 YOUNG Paul E,
 FLORENCE Kimberly A,
 SOPPET Daniel R,
 BREWER Laurie A,
 ENDRESS Gregory A,
 CARTER Kenneth C,
 MUCENSKI Michael,
 EBNER Reinhard,
 LAFLEUR David W,
 OLSEN Henrik S,
 SHI Yanggu,
 MOORE Paul A,
 KOMATSOULIS George,

Inventor(s):

RUBEN Steven M,
 NI Jian,
 ROSEN Craig A,
 WEI Ying-Fei,
 YOUNG Paul E,
 FLORENCE Kimberly A,
 SOPPET Daniel R,
 BREWER Laurie A,
 ENDRESS Gregory A,
 CARTER Kenneth C,
 MUCENSKI Michael,
 EBNER Reinhard,
 LAFLEUR David W,
 OLSEN Henrik S,
 SHI Yanggu,

MOORE Paul A,
KOMATSOU LIS George,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9966041 A1 19991223
Application: WO 99US13418 19990615 (PCT/WO US9913418)
Priority Application: US 9889509 19980616; US 9889510 19980616; US
9889508 19980616; US 9889507 19980616; US 9890112 19980622; US 9890113
19980622

Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW
MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA
ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY
DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML
MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 107104

Fulltext Availability:
Detailed Description

Detailed Description

... vasculature in areas where smooth muscle surrounds the endothelium of
blood vessels. The expression within **cellular** sources marked by
proliferating cells (e.g., infant cells and tissues) indicates this
protein may...

15/3,K/9 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00371478

**METHOD FOR THE IDENTIFICATION AND THERAPEUTIC USE OF DISEASE-ASSOCIATED
ORGANISMS, ELEMENTS AND FORCES
PROCEDE D'IDENTIFICATION ET D'UTILISATION THERAPEUTIQUE D'ORGANISMES,
D'ELEMENTS ET DE FORCES ASSOCIES A UNE MALADIE**

Patent Applicant/Assignee:

CHACHOUA Samir,

Inventor(s):

CHACHOUA Samir,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9712220 A2 19970403
Application: WO 96IB1006 19960913 (PCT/WO IB9601006)
Priority Application: US 953686 19950915

Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AL AM AU BB BG BR CA CN CU CZ EE FI GE HU IS JP KE KG KP KR LK LR LT LV
MD MG MK MN MW MX NO NZ PL RO SG SI SK TR TT UA UZ VN KE LS MW SD SZ UG
AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL
PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 267093

Fulltext Availability:
Detailed Description

Detailed Description

... OF

MONOCLONAL OR OTHER ANTIBODIES BY ALSO RAISING COMPLEMENT AND
OTHER NON-CELLULAR AND/OR **CELLULAR** IMMUNE RESPONSES TO THE
ANTIBODY-DISEASE COMPLEX AND/OR THE ANTIBODY ALONE BY TEMPORAL
RELATION...S14ALL SCALE, EVALUATION OF HOW THE
INTESTINAL FLORA RESPONDS TO CHEMOTHERAPY IN PATIENTS WITH
VIOLENT **GASTROINTESTINAL** SIDE-EFFECTS TO TREATMENT AND HOW THEIR
FLORA WAS COMPRISED PRIOR TO THERAPY, COMPARED TO...

?

19/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01235980

LIQUID CRYSTAL DISPLAY PANEL
Flussigkristallanzeigetafel
AFFICHEUR A CRISTAUX LIQUIDES

PATENT ASSIGNEE:

Citizen Watch Co. Ltd., (628279), 1-12, Tanashicho 6-chome,
Nishitokyo-shi, Tokyo 188-8511, (JP), (Proprietor designated states:
all)

INVENTOR:

Sekiguchi, Kanetaka, Citizen Watch Co., Ltd., Technical Lab., 840
Aza-Takeno, Oaza-Shimotomi, Tokorozawa-shi, Saitama 359-8511, (JP)

LEGAL REPRESENTATIVE:

Prufer, Lutz H., Dipl.-Phys. et al (38295), PRUFER & PARTNER GbR,
Patentanwalte, Harthausen Strasse 25d, 81545 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1103841 A1 010530 (Basic)

EP 1103841 B1 041013

WO 2000072084 001130

APPLICATION (CC, No, Date): EP 2000927819 000519; WO 2000JP3237 000519

PRIORITY (CC, No, Date): JP 99140893 990521

DESIGNATED STATES: DE; FR; GB; NL

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G02F-001/1339; G02F-001/1343; G02F-001/1335;

G02F-001/1345; G03B-013/24

ABSTRACT WORD COUNT: 161

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200122	1060
CLAIMS B	(English)	200442	1016
CLAIMS B	(German)	200442	951
CLAIMS B	(French)	200442	1171
SPEC A	(English)	200122	10147
SPEC B	(English)	200442	9863
Total word count - document A			11209
Total word count - document B			13001
Total word count - documents A + B			24210

...SPECIFICATION a wide variety of equipment including various kinds of portable electronic equipment such as a **tabletop** calculator, **cellular** phone, wrist watch, **camera** , **video camera** , note-type personal computer, and so forth.

With such a liquid crystal display panel, a...

...SPECIFICATION display devices, using a liquid crystal display (LCD) panel, have advantages of low-profile shape, **light** weight, and further, very low power consumption, these devices have come to be used as...

...a wide variety of equipment including various kinds of portable electronic equipment such as a **tabletop** calculator, **cellular** phone, wrist watch, **camera** , **video camera** , note-type personal computer, and so forth.

With such a liquid crystal display panel, a...

19/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00775235

ABC TRANSPORT POLYNUCLEOTIDES, POLYPEPTIDES, AND ANTIBODIES
POLYNUCLEOTIDES, POLYPEPTIDES DE TRANSPORT DE CASSETTE DE FIXATION DE
L'ADENOSINE TRIPHOSPHATE (ABC) ET ANTICORPS

Patent Applicant/Assignee:

HUMAN GENOME SCIENCES INC, 9410 Key West Avenue, Rockville, MD 20850, US,
US (Residence), US (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

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NI Jian, 5502 Manorfield Road, Rockville, MD 20853, US, US (Residence),
CN (Nationality), (Designated only for: US)
MOORE Paul E, 19005 Leatherbark Drive, Germantown, MD 20874, US, US
(Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

HOOVER Kenley K, Human Genome Sciences, Inc., 9410 Key West Avenue,
Rockville, MD 20850, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200107658 A1 20010201 (WO 0107658)
Application: WO 2000US19736 20000720 (PCT/WO US0019736)
Priority Application: US 99145215 19990723; US 99149445 19990818; US
99164730 19991112

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 82677

Fulltext Availability:

Detailed Description

Detailed Description

... Accession CAA65825, respectively), which are thought to be involved in
the transport of solutes across **cellular** membranes..

The gene encoding the translation product of the present invention is a
member of...the human CD4-polypeptide and various domains of the constant
regions of the heavy or **light** chains of mammalian immunoglobulins. See,
e.g., EP 394,827; Traunecker et al., Nature, 331...the human
CD4-polypeptide and various domains of the constant regions of the heavy
or **light** chains of mammalian immunoglobulins. (EP A 394,827; Traunecker
et al., Nature 331:84-86...to produce F(ab')₂ fragments). F(ab')₂
fragments contain the variable region, the **light** chain constant region
and the CHI domain of the heavy chain.

For example, the antibodies...endogenous immunoglobulins, but which can

CD4 polypeptide and various domains of the constant regions of the heavy or **light** chains of mammalian immunoglobulins. (EP 394,827; Traunecker et al., Nature 331:84-86 (1988...of expression vectors that express the antibody or fragments or chimeric proteins or heavy or **light** chains thereof in a suitable host.

In particular, such nucleic acid sequences have promoters operably... single chain antibody; alternatively, the nucleic acid sequences include sequences encoding both the heavy and **light** chains, or fragments thereof, of the antibody.

Delivery of the nucleic acids into a patient...is not be limited to treatment of proliferative disorders of hematopoietic cells and tissues, in **light** of the numerous cells and cell types of varying origins which are known to exhibit...

19/3,K/3 (Item 2 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00472687

METHODS AND MATERIALS FOR DETECTING i(E. COLI) O157 IN POLYMERASE CHAIN REACTION ASSAYS
PROCEDES ET MATERIAUX PERMETTANT DE DECELER i(E. COLI) O157 LORS DE L'AMPLIFICATION EN CHAINE DE LA POLYMERASE

Patent Applicant/Assignee:

CHILDREN'S HOSPITAL AND MEDICAL CENTER,
UNIVERSITY OF WASHINGTON,
CSIRO,
TARR Phillip I,
BILGE Sima S,
VARY James C Jr,
FEGAN Narelle M,
DESMARCHELIER Patricia M,

Inventor(s):

TARR Phillip I,
BILGE Sima S,
VARY James C Jr,
FEGAN Narelle M,
DESMARCHELIER Patricia M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9904039 A1 19990128
Application: WO 97US12398 19970716 (PCT/WO US9712398)
Priority Application: WO 97US12398 19970716

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH KE LS MW
SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 12013

Fulltext Availability:
Detailed Description

Detailed Description

... ten minutes, then centrifuging for five minutes at 13,500 rpm in a microcentrifuge to **pellet cellular** debris. The supernatant contained the DNA and was used as the template for PCR. PCRvisualized with ultraviolet **light** , and photographed using a Polaroid MP4 **camera** For initial evaluation of the PCR primers, DNA from the following cell preparations were used...

19/3,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00247652

INTRAOPERATIVE, INTRAVASCULAR AND ENDOSCOPIC TUMOR AND LESION DETECTION AND THERAPY

DETECTION ET THERAPIE DE TUMEURS ET DE LESIONS PENDANT UN EXAMEN PEROPERATOIRE, INTRAVASCULAIRE ET ENDOSCOPIQUE

Patent Applicant/Assignee:

IMMUNOMEDICS INC,

Inventor(s):

GOLDENBERG David M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9321940 A1 19931111

Application: WO 93US4098 19930506 (PCT/WO US9304098)

Priority Application: US 92879857 19920506

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 12892

Fulltext Availability:

Claims

Claim

... at the lesion; permitting the labeled protein to accrete; and detecting the label with a **light** source supplied via the endoscope or intravascular catheter or during the surgical procedure. In another...

...antibody or fragment is permitted to -accrete, and the photoactive agent is activated with a **light** source supplied via the endoscope or intravascular catheter or during the surgical procedure. In another...which is labeled with an agent capable of detection with a photoscanning or magnetic resonance **imaging device** ; the lesion is **imaged** with the photoscanning or magnetic -resonance device after the labeled antibody or fragment accretes at...and antibody fragments. Antibodies and antibody fragments are preferred. The use of protein-conjugates of **light** -sensitive dyes, especially of antibody fragments for imaging and fragments or intact antibodies preferably of... developed by photoactivation and viewed in the same endoscope by alternating the nature of the **light** being delivered and collected for viewing. such multipurpose viewing endoscopes have been described already, as...

...possible

because of the use of medicaments comprising antibody fragments and -subfragments conjugated with suitable

light -activated dyes. This is also the case for **light** transmitted by intravascular catheters, both for detection and therapy of intravascular and perivascular lesions, either...detection and therapy by endoscopic and intravascular probes within scopes and catheters. The use of **light** and porphyrins in cancer therapy has been reviewed by the references already cited above.

When...

...by fluorescence endoscopy,

the procedures are limited to lesions that are accessible to the exciting **light** and to the detection of the emitted fluorescence, such as in. the oral cavity, trachea...

...colon, rectum,, bladder,, vagina,

uterus, and other body cavities by use of laparoscopes.

- Use of **light** -bearing catheters inserted through veins or arteries enables a more extensive application, especially into organs that are currently examined by intraarterial radiological procedures. Therapeutic applications of antibodies conjugated with **light** -activating dyes- can also be achieved by delivering the nonionizing radiation via such intravascular catheters...057,313,, incorporated herein by reference. This method permits high numbers of fluorochromes and other **light** -activating agents to be conjugated to the carbohydrate region of the antibody, away from the...

...and showed photodestruction of human T-cell

leukemia cells in vitro. In this circumstance, **light**

could be delivered - to the leukemic cells in culture.

However, leukemic cells in humans are...antibodies with endoscopes, including

laparoscopes, and catheters in combination with

brachytherapy involving the implantation of **radioactive pellets** by means of a scope or catheter.

The isotopically or photosensitizer-conjugated antibody can serve...

?

24/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00461909

Electrodeless HID lamp with microwave power coupler.
Elektrodenlose Entladungslampe hoherer Intensitat mit Koppler fur ihren
Anschluss an einen Mikrowellengenerator.
Lampe de decharge a haute intensite sans electrode avec coupleur a
raccorder a un generateur a micro-ondes.

PATENT ASSIGNEE:

OSRAM SYLVANIA INC., (286495), 100 Endicott Street, Danvers, MA 01923,
(US), (applicant designated states: BE;DE;FR;GB;NL)

INVENTOR:

Lapatovich, Walter P., 135 Barnard Road, Marlborough, MA 01752, (US)
Fohl, Timothy, 681 Soutt Street, Carlisle, MA 01741, (US)
Proud, Joseph M., 347 Linden Street, Wellesley Hills, MA 02181, (US)

LEGAL REPRESENTATIVE:

Patentanwalte Grunecker, Kinkeldey, Stockmair & Partner (100721),
Maximilianstrasse 58, D-80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 457242 A1 911121 (Basic)
EP 457242 B1 950830

APPLICATION (CC, No, Date): EP 91107718 910513;

PRIORITY (CC, No, Date): US 523761 900515; US 524265 900515

DESIGNATED STATES: BE; DE; FR; GB; NL

INTERNATIONAL PATENT CLASS: H05B-041/24; H01J-061/16; H01J-007/46;

ABSTRACT WORD COUNT: 174

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1687
CLAIMS B	(English)	EPAB95	1095
CLAIMS B	(German)	EPAB95	1103
CLAIMS B	(French)	EPAB95	1240
SPEC A	(English)	EPABF1	8463
SPEC B	(English)	EPAB95	8280
Total word count - document A			10151
Total word count - document B			11718
Total word count - documents A + B			21869

...SPECIFICATION helical couplers. Similarly, the electric field components may be aligned to be coaxial with the **capsule** . When the **radio** frequency power enters the **capsule** 20 to interact with the lamp fill 24, the lamp fill 24 is excited to...

...about 50(sup(o)C from top to bottom in either the vertical or horizontal **positions** . As a result, **light** generation occurs evenly across the whole enclosed volume 22 lamp fill 24. Similarly, chemical fill...

...SPECIFICATION helical couplers. Similarly, the electric field components may be aligned to be coaxial with the **capsule** . When the **radio** frequency power enters the **capsule** 20 to interact with the lamp fill 24, the lamp fill 24 is excited to...than about 50(degree)C from top to bottom in either the vertical or horizontal **positions** . As a result, **light** generation occurs evenly across the whole enclosed volume 22 lamp fill 24. Similarly, chemical fill...

24/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00126318

Radioactive waste pellets in solidified form and a process for forming the same.

Feste Pellets von radioaktiven Abfällen und Verfahren zur Herstellung derselben.

Pellets de dechets radioactifs sous forme solide et procede pour les former.

PATENT ASSIGNEE:

HITACHI, LTD., (204144), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 100, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Mizuno, Hiroko, 1-3-10-302, Nishinarusawa-cho, Hitachi-shi Ibaraki-ken, (JP)

Kikuchi, Makoto, 2-1-1, Mikanohara-cho, Hitachi-shi Ibaraki-ken, (JP)

Horiuchi, Susumu, 781-4, Motoyoshida-cho, Mito-shi Ibaraki-ken, (JP)

Tamata, Shin, 2-3-1, Takasuzu-cho, Hitachi-shi Ibaraki-ken, (JP)

LEGAL REPRESENTATIVE:

Patentanwalte Beetz sen. - Beetz jun. Timpe - Siegfried -

Schmitt-Fumian (100711), Steinsdorfstrasse 10, W-8000 Munchen 22, (DE)

PATENT (CC, No, Kind, Date): EP 136402 A2 850410 (Basic)

EP 136402 A3 890208

EP 136402 B1 911218

APPLICATION (CC, No, Date): EP 84106129 840529;

PRIORITY (CC, No, Date): JP 8395377 830530

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G21F-009/34;

ABSTRACT WORD COUNT: 136

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	533
CLAIMS B	(German)	EPBBF1	464
CLAIMS B	(French)	EPBBF1	620
SPEC B	(English)	EPBBF1	3647
Total word count - document A			0
Total word count - document B			5264
Total word count - documents A + B			5264

...SPECIFICATION is provided on the upper side to inject the filler.

The drum 3 containing the **radioactive waste pellets** which include at least **light waste pellets** is **placed** on the rack 22 which has a stopper to secure the drum, and the slide...

24/3,K/3 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00746088

50 HUMAN SECRETED PROTEINS

50 PROTEINES HUMAINES SECRETEES

Patent Applicant/Assignee:

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US (Residence), US (Nationality), (For all designated states except:
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Patent Applicant/Inventor:

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RUBEN Steven M, 18528 Heritage Hills Drive, Laytonsville, MD 20882, US,
US (Residence), US (Nationality), (Designated only for: US)

KOMATSOULIS George, 9518 Garwood Street, Silver Spring, MD 20901, US, US
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Legal Representative:

HOOVER Kenley K, Human Genome Sciences, Inc., 9410 Key West Avenue,
Rockville, MD 20850, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200058336 A1 20001005 (WO 0058336)

Application: WO 2000US7726 20000323 (PCT/WO US0007726)

Priority Application: US 99126597 19990326; US 2000174877 20000107

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 122357

Fulltext Availability:

Detailed Description

Detailed Description

... and is capable of expressing, both heavy and light chain polypeptides.
In such situations, the **light** chain should be **placed** before the heavy
chain to avoid an excess of toxic free heavy chain (Proudfoot, Nature...
be conjugated to a detectable substrate such as a fluorescent compound,
an enzymatic substrate, a **radioactive** compound or a luminescent
compound, or a second antibody which recognizes the first antibody may...
?

29/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00910207 **Image available**

CONTINUOUS PRODUCTION AND PACKAGING OF PERISHABLE GOODS IN LOW OXYGEN ENVIRONMENTS

PROCEDE DE PRODUCTION ET D'EMBALLAGE DE PRODUITS PERISSABLES DANS UNE ATMOSPHERE PAUVRE EN OXYGENE

Patent Applicant/Assignee:

SAFEFRESH TECHNOLOGIES LLC, 9772 S.E. 41st Street, Mercer Island, WA 98040, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

GARWOOD Anthony J, 9772 S.E. 41st Street, Mercer Island, WA 98040, US, US (Residence), US (Nationality), (Designated only for: US)

STEPHENS Robert M, Barton Hall South Wing, Dunstall Road, Barton Under Needwood DE13 8AX, GB, GB (Residence), GB (Nationality), (Designated only for: US)

ATKINSON Kevan J, 200 Badminton Road, Coalpit Heath, Bristol BS36 2ST, GB, GB (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

CRUZ Laura A (agent), Christensen O'Connor Johnson & Kindness PLLC, 1420 Fifth Avenue, Suite 2800, Seattle, WA 98101, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200244026 A1 20020606 (WO 0244026)

Application: WO 2001US45146 20011128 (PCT/WO US0145146)

Priority Application: US 2000724287 20001128; US 2000255684 20001213; US 2001286688 20010426; US 2001291872 20010517; US 2001299240 20010618; US 2001312176 20010813; US 2001314109 20010821; US 2001323629 20010919; US 2001335760 20011019

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 197091

Fulltext Availability:

Claims

Claim

... arranged to mirror image element 5741 and web clamping bar 5730 is arranged to mirror **image** web clamping bar 5739. Rubber coated roller 5744 with cam/clutch bearing includes a heat...

29/3,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00847235

ALBUMIN FUSION PROTEINS

PROTEINES HYBRIDES D'ALBUMINE

Patent Applicant/Assignee:

HUMAN GENOME SCIENCES INC, 9410 Key West Avenue, Rockville, MD 20850, US,
US (Residence), US (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)

HASELTINE William A, 3035 P. Street, N.W., Washington, DC 20007, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

GARRETT Arthur S (et al) (agent), Finnegan, Henderson, Farabow, Garrett &
Dunner LLP, 1300 I Street N.W., Washington, DC 20005-3315, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200179444 A2-A3 20011025 (WO 0179444)

Application: WO 2001US12013 20010412 (PCT/WO US0112013)

Priority Application: US 2000229358 20000412; US 2000199384 20000425; US
2000256931 20001221

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 164316

Fulltext Availability:

Detailed Description

Detailed Description

... It will be understood in the art that the size of the subject and the
imaging system used will determine the quantity of imaging moiety needed
to produce diagnostic images. In...

29/3,K/3 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00786085 **Image available**

**SENSING, INTERROGATING, STORING, TELEMETERING AND RESPONDING MEDICAL
IMPLANTS**

**IMPLANTS MEDICAUX PERMETTANT LA TELEMETRIE, LA REPOSE, LE STOCKAGE,
L'INTERROGATION ET LA DETECTION**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200119239 A1 20010322 (WO 0119239)
Application: WO 2000US25426 20000915 (PCT/WO US0025426)
Priority Application: US 99154637 19990917

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7192

Fulltext Availability:

Claims

Claim

- ... to sense, store, process and transmit or otherwise communicate the information via electrical, electromagnetic, optical, **radio**, chemical, ultrasonic, thermal or other means. In addition to diagnostic as well as transmission functions...
- ...function in the peri-zone or at a distance.
Diagnostic implants may be simple spheres, **pellets**, wafers, slivers, chips, or weaves, fabrics or stamp-like arrays of these or other shapes ...actuating means. The means for transmitting a signal may be hard wired or transmitted via **radio** waves or magnetic or mechanical means.
Sensors which may be used include those described in...flow monitored by the transducer. The implanted electronic circuit can be connected to an implanted **radio** frequency (RF) coil. An external coil that is connected to a power supply and monitoring ...
- ...radiation sensors, acoustic wave sensors, chemical sensors including direct chemical sensors and dye based chemical **sensors**, and photosensors including **imagers** and integrated spectrophotometers. The transponder includes an energy coupler for wirelessly energizing the device with...
- ...swell, the lattice structure of the CCA embedded therein changes, thereby changing the wavelength of **light** diffracted by the CCA. Thus by monitoring the change in diffracted ...used to receive and transmit signals from the sensors to the actuators. These may be **radio** transponders, **light**, or sound wave receivers and transmitters, or hard wired into the devices. For example, the...fluid flow monitored by the transducer. The implanted electronic circuit is connected to an implanted **radio** frequency (RF) coil. An external coil that is connected to a power supply and monitoring...
- ...microactuators.
The implant may function as a conduit for fluids, solutes, electric

1 5 charge, **light** , or other materials. In one embodiment, hollows within the implant walls, or the implant itself...

...create an integral needle/sensor.

Wave guides can be incorporated into the device to direct **light** to a specific **location** , or for detection, for example, using means such as a pH dye for color evaluation. Similarly, heat, electricity, **light** or other energy forms may be precisely transmitted to directly stimulate, damage, or heal a...through optical fibers, while wired transmission might be through electrical transmission over an electrical conductor. **Wireless** transmission might take place through **radio** wave signals, or ultrasonically. In one embodiment of the invention, a standard communication protocol might...

...a portable device,

such as a personal digital assistant, portable computer, internet appliance,

I 0 **cellular** telephone, two-way **radio** , web-enabled television, or watch

communicator. In another embodiment, a person might monitor the transmissions...open more widely. In another example, an optical sensor might detect the presence of unwanted **cellular** accumulation in the interior of the stent. A physician might read that information, and send ...

29/3,K/4 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00777124 **Image available**

A METHOD FOR TEMPERATURE SENSING

PROCEDE DE DETECTION DE TEMPERATURE

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200110291 A1 20010215 (WO 0110291)

Application: WO 2000IL470 20000803 (PCT/WO IL0000470)

Priority Application: IL 131242 19990804

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 3401

Fulltext Availability:
Claims

Claim

... diagram shown in Fig.

1 An image sensor, such as in the above mentioned swallowable **capsule** , is inserted 1 0 into an environment, such as the gastrointestinal tract. **Illumination** is provided intermittently, either by elements connected to the **image sensor** itself or by external sources. When **illumination** is provided 12 only visual data is obtained 14 and displayed 16. A process for...

...an integrating unit 1 00 is activated to obtain dark current data 13 from the **image sensor** , though it is not imperative to shut off **illumination** in order to obtain data relating to dark current noise, as will be discussed in...

...is a processor capable of amplifying the obtained data 15, if necessary, and calculating the **image sensor** temperature 17 using the known equations derived for thermal noise. It will be appreciated that...

...Calculations of the environment temperature are based on the existence of thermal equilibrium between the **image sensor** and environment. These calculations take into account energy dissipation from the **image sensor** . Local temperature or the average temperature within the environment may be calculated, depending on specific...

...connected. Some of the functions carried out by integrating unit 100, such as calculating the **image sensor** temperature 17 and calculating the environment temperature 19, can be carried out in processors that...

...fed with data from the integrating unit 100 by communication such as by IR or **radio** . Indeed, if an operator is to note
7
the temperature of the environment, at least...

...units to further process and use the data obtained by it. For example, a swallowable **capsule** , such as described in US 5,604,531, may comprise a sample chamber for collecting...

...illustration of the system according to an embodiment of the invention. The system comprises an **image sensor** 20 having an **image** sensing module which includes a pixel array (as demonstrated in Fig. 3) in communication with...

...integrating unit 22. Communication is enabled by temperature sense switch 24 which is controlled by **illumination** indicator 26, such that communication is enabled only during dark periods. When communication between the **image sensor** 20 and integrating unit 22 is established, integrating unit 22 receives dark current data from

29/3,K/5 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00764915

IMAGE MAKING MEDIUM

SUPPORT DE FORMATION D'IMAGE

Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200077085 A1 20001221 (WO 0077085)

Application: WO 2000US16111 20000612 (PCT/WO US0016111)

Priority Application: US 99138694 19990611

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 205520

Fulltext Availability:

Detailed Description

Detailed Description

... in one or more materials other than polymer medium of the present
invention (like a **wire** mesh, or a found object used in an image). This
opens up a wide range...or stabilize 1). the discoloration of the
polymer; 2). the discoloration of non-polymeric inventive **image**
ingredients; 3). the cause of such discoloration (e.g., UV light), or 4).
a combination...more other ingredients might be added, e.g., pigment,
colored particles, reflective particles, an UV **light** stabilizer, a
matting agent (such as silica) or a 1 5 combination of these. The...

?

35/5/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00832842 **Image available**

**A DEVICE AND SYSTEM FOR IN VIVO IMAGING
DISPOSITIF ET SYSTEME D'IMAGERIE IN VIVO**

Patent Applicant/Assignee:

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Legal Representative:

PEARL Zeev (et al) (agent), Eitan, Pearl, Latzer & Cohen-Zedek, 2 Gav Yam
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200165995 A2-A3 20010913 (WO 0165995)

Application: WO 2001IL218 20010308 (PCT/WO IL0100218)

Priority Application: US 2000187883 20000308

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: A61B-005/05

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5921

English Abstract

The present invention provides a system and method for obtaining in vivo
images. The system contains an imaging system (10) and an ultra low power
radio frequency transmitter (26) for transmitting signals from the CMOS
imaging **camera** (24) to a receiving system located outside a patient.
The imaging system (10) includes at least one CMOS imaging **camera** (24),
at least one **illumination** source (23) for **illuminating** an in vivo
site and an optical system (22) for imaging the in vivo site onto the
CMOS imaging **camera** (24).

French Abstract

L'invention concerne un systeme et un procede d'obtention d'images in
vivo. Ledit systeme contient un systeme d'imagerie et un emetteur radio
de tres faible puissance, pour la transmission de signaux de la **camera**

d'imagerie CMOS a un systeme recepteur situe a l'exterieur d'un patient.
Ledit systeme d'imagerie comprend au moins une **camera** d'imagerie CMOS,
au moins une source d'eclairage pour l'eclairage d'un site in vivo et un
systeme optique pour la mise en images du site in vivo sur la **camera**
d'imagerie CMOS.

Legal Status (Type, Date, Text)

Publication 20010913 A2 Without international search report and to be
republished upon receipt of that report.
Search Rpt 20020704 Late publication of international search report
Republication 20020704 A3 With international search report.
Republication 20020704 A3 Before the expiration of the time limit for
amending the claims and to be republished in the
event of the receipt of amendments.
Examination 20021010 Request for preliminary examination prior to end of
19th month from priority date

35/5/2 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00820264 **Image available**

A SYSTEM FOR DETECTING SUBSTANCES

SYSTEME DE DETECTION DE SUBSTANCES

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WILLNER Itamar, Hashalom Street 12, 90805 Mevasseret Zion, IL, IL
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200153792 A2-A3 20010726 (WO 0153792)

Application: WO 2001IL53 20010118 (PCT/WO IL0100053)

Priority Application: US 2000487337 20000119

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G01N-033/53

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 4940

English Abstract

The present invention relates to a method and system for the in vivo determination of the presence and/or concentration of biological and/or chemical substances in body lumens. The system of the invention comprises a solid support, the support being inserted into a body lumen and having immobilized thereon at least one reactant capable of reacting with the substance resulting in an optical change; and a detecting unit, in communication with the support, capable of detecting a reaction resulting in an optical change between the reactant and the substance.

French Abstract

Procede et systeme de determination in vivo de la presence et/ou de la concentration de substances biologiques et/ou chimiques dans des passages corporels. Ledit systeme comporte un support solide destine a etre introduit dans un passage corporel, sur lequel est immobilise au moins un reactif capable de reagir avec la substance, ce qui produit un changement optique, et une unite de detection se trouvant en communication avec le support et capable de detecter une reaction entrainant un changement optique entre le reactif et la substance.

Legal Status (Type, Date, Text)

Publication 20010726 A2 Without international search report and to be republished upon receipt of that report.
Examination 20011206 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20030807 Late publication of international search report
Republication 20030807 A3 With international search report.

35/5/3 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00802655 **Image available**

METHOD FOR ACTIVATING AN IMAGE COLLECTING PROCESS

METHODE D'ACTIVATION DE PROCEDE DE COLLECTE D'IMAGES

Patent Applicant/Assignee:

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AVRON Jerome, Holland Street 36, 34987 Haifa, IL, IL (Residence), IL (Nationality), (Designated only for: US)

ADLER Doron, Hanuriot Street 24/5, 36790 Nesher, IL, IL (Residence), IL (Nationality), (Designated only for: US)

Legal Representative:

EITAN PEARL LATZER & COHEN-ZEDEK (et al) (agent), Gav Yam Center 2, Shenkar Street 7, 46725 Herzlia, IL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200135813 A1 20010525 (WO 0135813)

Application: WO 2000IL752 20001115 (PCT/WO IL0000752)

Priority Application: IL 132944 19991115

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: A61B-001/04

International Patent Class: A61B-001/267; A61B-005/05; A61B-001/04;

G03B-015/02; A62B-001/04; H04N-007/18; G08B-023/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3795

English Abstract

The present invention is a method for activating an image collecting process (step 34), comprising the steps of releasing the power source of a component essential to the image collecting process from an inhibition imposed by an external magnet, wherein the invention also provides suitable packaging for storing the imaging system having a magnet, designed for the inside of a body lumen.

French Abstract

L'invention concerne une methode d'activation d'un procede de collecte d'images (etape 34), qui comporte l'etape consistant a liberer la source d'alimentation d'un composant essentiel au procede de collecte d'images, d'un effet d'inhibition produit par un aimant externe. L'invention prevoit egalement une enveloppe adequate servant a contenir un systeme d'imagerie, qui comporte un aimant et est concue pour etre introduite dans une lumiere corporelle.

Legal Status (Type, Date, Text)

Publication 20010525 A1 With international search report.

Publication 20010525 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20010913 Request for preliminary examination prior to end of 19th month from priority date

35/5/4 (Item 4 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00763383 **Image available**

AN OPTICAL SYSTEM

SYSTEME OPTIQUE

Patent Applicant/Assignee:

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MERON Gavriel , Weizman Street 21, Kfar Ganim, 49556 Petach Tikva, IL,

IL (Residence), IL (Nationality), (Designated only for: US)
IDDAN Gavriel, Einstein Street 44a, 34602 Haifa, IL, IL (Residence), IL
(Nationality), (Designated only for: US
Legal Representative:
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46725 Herzlia, IL

Patent and Priority Information (Country, Number, Date):

Patent: WO 200076391 A1 20001221 (WO 0076391)
Application: WO 2000IL349 20000615 (PCT/WO IL0000349)
Priority Application: IL 130486 19990615

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: A61B-001/00

International Patent Class: G02B-021/06; G02B-021/36; G02B-005/08;
G02B-005/10; F21V-005/04; F21V-007/00; G02B-027/40; H01J-040/14

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3222

English Abstract

An optical system for **illuminating** and viewing a target (15) in which
an **illumination** element (16) and a receiving element (13) are disposed
behind a single optical window (14), and which obtains data essentially
free of backscatter and stray **light**. The optical window (14) is
configured such that it defines a shape having at least one focal curve,
i.e., an ellipsoid shaped dome. The **illumination** element (16) and the
receiving element (13) are geometrically positioned on the focal curve
plane or in proximity of the focal curve plane, such that, when
illuminating, rays from the **illumination** element internally reflected
from the optical window (14) will not incident on the receiving element
(13).

French Abstract

La presente invention concerne un systeme optique destine a eclairer et a
visualiser une cible (15) comprenant un element d'eclairage (16) et un
dispositif recepteur (13) disposés derriere une fenetre optique (14), le
dispositif recepteur obtenant des donnees generalement depourvues de
lumiere retrodiffusee et de reflets. La fenetre optique (14) du systeme
optique est configuree de facon a definir une forme presentant au moins
une courbe focale, a savoir un dome en forme d'ellipsoide. L'element
d'eclairage (16) et le dispositif recepteur (13) sont disposes
geometriquement sur le plan de la courbe focale ou au voisinage du plan
de la courbe focale. Ainsi, lors de l'eclairage, les rayons en provenance
des elements d'eclairage, reflechis interieurement a partir de la fenetre
optique (14), ne sont pas incidents sur le dispositif recepteur.

Legal Status (Type, Date, Text)

Publication 20001221 A1 With international search report.

Publication 20001221 A1 Before the expiration of the time limit for

amending the claims and to be republished in the
event of receipt of amendments.
Examination 20010329 Request for preliminary examination prior to end of
19th month from priority date

35/5/5 (Item 5 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00559602 **Image available**

A METHOD FOR DELIVERING A DEVICE TO A TARGET LOCATION
PROCEDE D'ACHEMINEMENT D'UN DISPOSITIF VERS UN POINT CIBLE

Patent Applicant/Assignee:

GIVEN IMAGING LTD,
MERON Gavriel,
IDDAN Gavriel,
Inventor(s):

~~MERON Gavriel~~,
IDDAN Gavriel

Patent and Priority Information (Country, Number, Date):

Patent: WO 200022975 A1 20000427 (WO 0022975)

Application: WO 99IL554 19991021 (PCT/WO IL9900554)

Priority Application: IL 126727 19981022

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD
RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF
CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: A61B-001/04

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 4723

English Abstract

Capsul e (60) moves through the gastrointestinal tract (62) in a first
pass to generate a map of the gastrointestinal tract, and to identify a
location of interest. In its second pass, **capsule** (60) moves through
the gastrointestinal tract, and is controlled to perform a job at the
identified location. Repeated localizations generate generate a map of
the route taken by the **capsule** in the gastrointestinal tract (62).
images displayed on the image monitor (61) are compared with the
generated map displayed on the position monitor (63) to identify the
location of a pathology (72).

French Abstract

Une **capsule** (60) passe a travers les voies gastro-intestinales (62) en
un premier passage afin de produire une carte des voies
gastro-intestinales, et afin d'identifier un point d'interet. Dans un
second passage, la **capsule** (60) passe a travers les voies
gastro-intestinales et elle est commandee pour executer un travail au
niveau du point identifie. Des localisations repetees produisent une
carte de la route empreintee par la **capsule** dans les voies
gastro-intestinales (62). Des images affichees sur le moniteur (61)

d'image sont comparees a la carte produite affichee sur le moniteur (63)
de position afin d'identifier l'emplacement d'une pathologie (72).
?

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 (c) 2005 San Jose Mercury News
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 (c) 2005 IDG Communications
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(c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 587:Jane's Defense&Aerospace 2005/Oct W1
 (c) 2005 Jane's Information Group

Set	Items	Description
S1	645717	CAPSULE?? OR PILL OR TABLET?? OR PELLET??
S2	333	INGESTIB?(5N) (S1 OR DEVIC?? OR UNIT??)
S3	8639	(WIRELESS? OR WIRE()LESS OR CELLULAR? OR RADIO?) (5N) (S1 OR S2)
S4	1365503	CAMERA?? OR CCD? ? OR IMAG????(3N) (PICKUP OR PICK()UP OR D- EVIC?? OR SENSOR?? OR APPARATUS?? OR EQUIPMENT?? OR UNIT?? OR TERMINAL??) OR CHARGED(2N) COUPLE??(2N) DEVIC??
S5	4543272	VIDEO?? OR CAMCODER?? OR CAM()CODER?? OR DIGICAM??
S6	419464	GASTROINTEST? OR GASTRO??? OR DIGESTION(3N) SYSTEM?? OR STO- MACH?? OR ABDOMINAL?? OR GI (2N) TRACT???
S7	9906370	LED OR LIGHT??(2N) DIOD? OR LIGHT(2N) EMIT????(2N) DIOD?? OR LIGHT?? OR ILLUMINAT?
S8	407029	TRANSMITTER?? OR TRANSCEIVER?? OR (TRANSMIT? OR TRANSMISSI- ON?) (3N) (DEVIC?? OR EQUIPMENT?? OR UNIT?? OR TERMINAL?? OR AP- PARATUS??)
S9	122503	(EXTERIOR?? OR END OR OUTER?? OR OPAQUE?? OR VIEW??? OR VI- SUAL??) (2N) (SURFACE?? OR WINDOW?? OR PANEL??)
S10	121370	(LOCATION?? OR POSITION?? OR PLACE?? OR PLACEMENT??) (5N) S7
S11	97192	IN()VIVO?? OR INVIVO??
S12	9	AU=(IDDAN G? OR IDDAN, G? OR AVNI D? OR AVNI, D? OR GLUKHO- VSKY A? OR GLUKHOVSKY, A? OR MERON G? OR MERON, G?)
S13	0	S3(S) (S4 OR S5) (S) S6(S) S8(S) S9(S) S10(S) S11
S14	3	S3(S) (S4 OR S5) (S) S6(S) S7
S15	3	RD (unique items)
S16	27	S3(S) (S4 OR S5) (S) S7
S17	20	RD (unique items)
S18	7	S17 NOT PY>2000
S19	7	S18 NOT S15
S20	594	S3(S) (S4 OR S5)
S21	2	S3(S) S10
S22	2	RD (unique items)
S23	27	S20(S) S7
S24	0	S23 NOT S16
S25	593	S20(S) (WIRELESS? OR WIRE()LESS OR CELLULAR? OR RADIO?)
S26	32	S25(S) S8
S27	14	RD (unique items)
S28	7	S27 NOT PY>2000
S29	232	S3(S) S7
S30	146	RD (unique items)
S31	47	S30 NOT PY>2000
S32	39	S31 NOT (S28 OR S16 OR S22)
S33	6	S12 AND S3
S34	2	RD (unique items)
?		

19/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01440418 00-91405

Electronic Awards: On the leading edge

Anonymous

Incentive v171n6 PP: E3-E16 Jun 1997

ISSN: 1042-5195 JRNL CODE: IMK

WORD COUNT: 2762

...TEXT: provide music to everyone, everywhere-was clearly behind the invention of the company's Wave **Radio**, a compact **tabletop** AM/FM clock unit that's programmed with a credit card-sized remote control. What... performance. Secaucus, N.J.-based Panasonic Co. recently introduced the credit card-sized PalmCam digital **camera**, so **light** it weighs under six ounces. But this tiny **camera** does a lot: It's equipped with Adobe Photo,DeluxeTM and EasyPhotoT software that allows...

...premium sales manager for Panasonic. Images can also be viewed on a TV screen. The **camera**, model PV-DC1000, comes with all the necessary hookup equipment, connection cables, battery pack and...

...her hairstyle, change the color of her eyes, narrow her cheekbones." Not only is the **camera** fun to use, but it has a lot of practical applications. An insurance adjuster, for...

...Emmer. "Millions of people have home computers now and everybody would love to have this **camera**. It's an exceptionally fine product for premium use." Panasonic is also offering premium buyers PalmCam soft **camera** bags complete with a complimentary corporate logo. Interested buyers should contact Panasonic for details. Mahwah...

...Key features include higher zoom ratios, a 95minute battery (on threeinch screen models) and a **lighter** and more compact body. A decreased lux rating on all models was added for higher...

...videographers can record themselves. Amateur videographers can also use Variable Angle Recording to create unique **videos** with cinema-like angle shots. This model, as with all of the models in the...

...a builtin hand strap and standard A/V pack for easy connection to other audio/ **video** equipment.

Perfect video-without a worry. That's what Park Ridge, N.J.-based Sony...

19/3,K/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00916488 95-65880

Gamma-ray CT probes power plant piping

Ashley, Steven

Mechanical Engineering v116n8 PP: 48-51 Aug 1994

ISSN: 0025-6501 JRNL CODE: MEG

WORD COUNT: 2262

...TEXT: in the direction of the detector array. In general, the system operates like a pinhole **camera**: gamma rays pass like sunlight through a

small aperture onto a **light** -sensitive detector (film emulsion).

Each detector relies on the interaction between the incoming gamma-ray...

19/3,K/3 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

06087828 Supplier Number: 53613536 (USE FORMAT 7 FOR FULLTEXT)

NOTEBOOK.

Consumer Electronics, v39, n3, pNA

Jan 18, 1999

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 2719

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...is mounted at bumper height. Two-piece unit, which comes with 8' cord, includes traffic- **light** -like warning system that's green as vehicle approaches, yellow at midway, red at end...

...for distribution through its dealers, CEO Charles Balsamo said. -----
Samsung has been ousted from DVD **Video** Group because of nonpayment of membership dues, group spokeswoman said. Samsung officials couldn't be...

...has redesigned user interface, faster processor -- 80 MHz vs. 72 MHz - -
and new built-in **camera** . Other videophone has same features minus LCD.
8x8 had planned to have faster processor in...

...remains at maximum 15-18 per sec. and while audio continues to run
slightly behind **video** , latency has been reduced to 175 millisec., company
said. "We haven't increased the frame...

...1 million from \$1.2 million year ago as it reduced reliance on PC-based
video products. Sales sagged to \$441,349 from \$462,482. For 9 months ended
Nov. 30...

...million from \$1.2 million. Company embarked on campaign year ago to
reduce PC-based **video** business and shift focus to TV-related products
(TVD June 8 p16). ----- Electronic Arts (EA...

...Sony Playstation after finding what it termed vulgar 5- min. South Park
Spirt of Christmas **video** stored on unused portion of disc. Recall covers
about 100,000 games shipped to retail since launch Nov. 23. **Video**
apparently was downloaded from Internet site and installed on disc, EA
spokeswoman said. PC version...

...isn't affected by recall, she said. Consumer purchased PlayStation title
in Tampa and accessed **video** by placing it in PC CD-ROM drive and cracking
code, spokeswoman said. **Video** couldn't be viewed using PlayStation. EA
learned of **video** 's existence last week after being contacted by Tampa
radio station, spokeswoman said. Replicator will remove **video** from
recalled discs, and purchasers can get replacement version. ----- Cree
Research reported that 2nd-quarter...

...shares of common. Proceeds will be used to repay debt and expand
facilities, it said... **Video** Display Corp. said 3rd-quarter income
plunged to \$481,000 from \$1 million year earlier...s 52-week high is
\$35.37, low \$10.50. ----- WebMan is name of new **wireless** Internet access

device from Anigma. **Tablet** -style device, which measures 8-1/2" x 11" with 12.1" Sharp-sourced LCD...

...Interactivity in kitchen is goal of new appliance that marries 9" or 13" CRT to **VideoCD** /CD player and Internet. CMI Worldwide will ship Advantage 2000 in April starting with Electrolux...

...security monitor. Advantage (\$700-\$750) also has 128 channel tuner and can play music or **video** CDs. CMI will offer 250 CDs (\$19.95-\$24.95) at launch ranging from cooking...

...dual- transport model from company that created VHS dubbing-deck category under erstwhile name Go- **Video** . Meanwhile, Philips cut prices on CD-R and rewritable CD-RW blanks, and Samsung entered...Toshiba, although most other vendors are likely to participate. Virtually all CE makers now offer **video** products that consume minimal wattage in standby mode, under program begun last year. EPA contends...

...to more than 100 e-commerce music businesses. Because product mix has grown to include **video** , DVD and videogames, name change was needed, Mktg. Vp Michael Fallone said. New i.FiLL name reflects division's primary service -- Internet fulfillment -- he said. ----- DVD **Video** Group said Web site (www.dvdvideo-group.com) is getting new feature Feb. 1 for...

...database by getting password on VSDA's Web site (www.vstda.org). About 10,000 **video** retailers are offering DVD for rent, said Paul Culberg, DVD **Video** Group pres. and Columbia TriStar Home **Video** exec. vp. Group estimates DVD software sales of nearly 14.3 million since format's...

19/3,K/4 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 Dialog. All rts. reserv.

11229266 (USE FORMAT 7 OR 9 FOR FULLTEXT)
***Six-hour journey through your digestive system**

SECTION TITLE: GENERAL

~~ANJALI-MODY~~

INDIAN EXPRESS

May 27, 2000

JOURNAL CODE: WINE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 551

... mm by 30 mm and contains a tiny video camera, light source and transmitter. The **capsule** **radios** images to a portable recorder strapped to the patient's waist. Both Prof Swain and...

19/3,K/5 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 Dialog. All rts. reserv.

11190390 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Gulp! Camera pill takes fantastic voyage for real

INDEPENDENT

May 25, 2000

JOURNAL CODE: FIND LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 489

...video film of a journey through a person's entire digestive tract.

A pill-sized **capsule** containing a **camera** , **light** and **radio** transmitter - but no wires - has emulated science fiction by making a "fantastic voyage" from the...

19/3,K/6 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2005 The Gale group. All rts. reserv.

04141834 SUPPLIER NUMBER: 15739997 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Capsule cure. (Japan's capsule hotels)

Wardell, Steven

The Atlantic v274, n4, p42(4)

Oct, 1994

ISSN: 0276-9077

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2935 LINE COUNT: 00216

... few activities, most of which require you to prop yourself up on one elbow. The **capsule** contains a television, a **radio** , a mirror, a shelf for toiletries, a reading **light** , an alarm clock, and a fire alarm (with a no-smoking sign). The speaker for...

...won't annoy others (except that it does). Among the offerings are the same pornographic **videos** being shown above the registration desk.

All around me is snoring. The vibrations feel as...

19/3,K/7 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

09830844 SUPPLIER NUMBER: 17783331 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Advanced imaging product survey: a look at the latest image display

intros. (Industry Overview) (Cover Story)

Advanced Imaging, v10, n11, p40(6)

Nov, 1995

DOCUMENT TYPE: Industry Overview Cover Story

ISSN: 1042-0711

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 4845 LINE COUNT: 00381

... and distortion. Circle 358.

Boeckler Instruments (Tucson AZ) offers the Pointmaker PVI-80 series of **video** markers and keyboards for electronic freehand drawings and pointing in boardroom, courtroom, videoconference or sportscast apps. The system enables overlay of fonts and mapping symbols as well; options of **light** pen, digitizing **tablet** , **wireless** remote and touchscreen compatibility are available. Circle 359.

Cirrus Logic (Fremont CA) has just intro...

?

22/3,K/1 (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire
(c) 2005 PR Newswire Association Inc. All rts. reserv.

00989691 20030602SFM098 (USE FORMAT 7 FOR FULLTEXT)
Itronix Unveils the GoBook Tablet
PR Newswire
Monday, June 2, 2003 09:06 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 1,040

TEXT:
...rugged mobile computing systems, today introduced
the GoBook Tablet PC, a uniquely designed, truly portable, **wireless**,
rugged
slate **Tablet** PC. Designed to support mobile professionals in industries
such
as telecommunications, utilities, government, and insurance...

...in
September 2003.

"Offering our customers quality is paramount. By delivering a portable,
rugged slate **tablet** in addition to our advanced **wireless**, rugged
laptops and
handhelds, our customers -- whether they are field service technicians,
insurance adjusters, or...

...mid-sized slate that will allow mobile users to remain productive and
connected in more **places** than ever."

Compact Size and **Light** Weight Ensure True Mobility
Itronix designed the GoBook Tablet PC to support "feet on the..."

22/3,K/2 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

0889271 98-49958
**The 25 most powerful and influential Georgians of 1997 plus 75 who were the
movers and shakers in particular fields of endeavor**

~~Anonymous~~
Georgia Trend (Atlanta, GA, US), V13 N5 p31
PUBL DATE: 980100
WORD COUNT: 18,975
DATELINE: Atlanta, GA, US, South Atlantic

TEXT:

...construction and "that I'm not close to hanging up my spurs."

CHRISTINE JACOBS

Atlanta

Position and influence: Theragenics, **led** by president and CEO
Christine Jacobs, 47, has revolutionized the treatment of prostate cancer.
Theragenics manufactures rice-sized **radioactive pellets** that are
implanted in the prostate to battle cancer, without the side effects of

incontinence...

?

28/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

07809083 Supplier Number: 65142111 (USE FORMAT 7 FOR FULLTEXT)

Sizzling gizmos. (Company Business and Marketing)

Stern, Gary

Electronic Business, v26, n9, p147

Sept, 2000

Language: English Record Type: Fulltext Abstract

Document Type: Magazine/Journal; Trade

Word Count: 2184

... to endure.

Developed by Given Imaging Ltd., of Yokneam, Israel
(<http://www.givenimaging.com>), the **camera** in a pill (Given calls it a
"diagnostic imaging capsule") makes use of a wide-angle lens combined with
a tiny CMOS **image - sensor** chip (produced by Photobit Corp., of Pasadena,
CA), batteries and a **radio transmitter**.

A patient swallows the **capsule**. No anesthetic is required. As it
cruises along, pushed by the muscular contractions of the...

28/3,K/2 (Item 2 from file: 16)
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05627471 Supplier Number: 50053423 (USE FORMAT 7 FOR FULLTEXT)

**Cruise Will Demonstrate CruisePAD NXT Wireless Thin Client in Microsoft's
PC Expo Booth**

PR Newswire, p0603CGW029

June 3, 1998

Language: English Record Type: Fulltext

Article Type: Article

Document Type: Newswire; Trade

Word Count: 903

... in our booth at PC Expo in New York."

Benefits of CruisePAD

The CruisePAD NXT **wireless** Windows-based terminal provides the ideal
solution for "locally-mobile" users in industries such as...

...terminal emulation applications from anywhere in the workplace via a
user-friendly, hand-held "electronic **tablet**" that is **wirelessly** linked
to a Terminal Server or Citrix WinFrame server. Each user controls his or
her own Windows session executing on that server, with only the **video**
display **transmitting** to the mobile **device**.

Benefits of Cruise's wireless thin client computing solutions include:

* Server-class computing power in...

28/3,K/3 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05616512 Supplier Number: 48498436 (USE FORMAT 7 FOR FULLTEXT)

**Cruise Technologies Announces CruiseConnect 3.0, Support For Microsoft
Terminal Server Via Citrix Metaframe**

PR Newswire, p0527CGW032
May 27, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 782

... upgrade is \$75 per device, including a CruiseConnect server software upgrade.

Wireless Windows-based Terminals

Wireless Windows-based Terminals provide the ideal solution for "locally- mobile" users in industries such as...

...terminal emulation applications from anywhere in the workplace via a user-friendly, hand-held "electronic **tablet** " that is **wirelessly** linked to Microsoft Windows Terminal server or Citrix WinFrame server. Each user controls his or her own Windows session executing on that server, with only the **video** display **transmitting** to the mobile **device** .

Benefits of Cruise's wireless thin client computing solutions include:

- * Server-class computing power in...

28/3,K/4 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05558358 Supplier Number: 48421247 (USE FORMAT 7 FOR FULLTEXT)
Cruise Technologies Previews Next-Generation Wireless Windows-Based

Terminal

PR Newswire, p493NEM017
April 13, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 844

... We are pleased to showcase Cruise's new Windows-based Terminal technology in our booth."

Wireless Windows-based Terminals provide the ideal solution for "locally- mobile" users in industries such as...

...terminal emulation applications from anywhere in the workplace via a user-friendly, hand-held "electronic **tablet** " that is **wirelessly** linked to Microsoft Windows Terminal server or Citrix WinFrame server. Each user controls his or her own Windows session executing on that server, with only the **video** display **transmitting** to the mobile **device** .

Benefits of Cruise's wireless thin client computing solutions include:
-- Server-class computing power in...

28/3,K/5 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 Dialog. All rts. reserv.

11229266 (USE FORMAT 7 OR 9 FOR FULLTEXT)
***Six-hour journey through your digestive system**
SECTION TITLE: GENERAL
ANJALI MODY
INDIAN EXPRESS

May 27, 2000

JOURNAL CODE: WINE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 551

... mm by 30 mm and contains a tiny video camera, light source and transmitter. The **capsule radios** images to a portable recorder strapped to the patient's waist. Both Prof Swain and...

28/3,K/6 (Item 2 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 Dialog. All rts. reserv.

11190390 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Gulp! Camera pill takes fantastic voyage for real

INDEPENDENT

May 25, 2000

JOURNAL CODE: FIND LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 489

...person's entire digestive tract.

A pill-sized capsule containing a camera, light and radio **transmitter** - but no wires - has emulated science fiction by making a "fantastic voyage" from the mouth...

28/3,K/7 (Item 1 from file: 608)

DIALOG(R)File 608:KR/T Bus.News.
(c)2005 Knight Ridder/Tribune Bus News. All rts. reserv.

06649421 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Cold Weather Could Put the Freeze on Utah's Fruit Trees

Lesley Mitchell

Salt Lake Tribune

April 02, 1999

DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH
WORD COUNT: 398

...TEXT: likely to dip periodically into the high 20s to low 30s. They may even dip **lower** into the mid- to low 20s.

"It's hard to say what will happen," he said. "It will be touch and go for the next **couple** of days."

Fruit farmers north of Salt Lake City are reporting spotty damage to apricots, sweet cherries **and** to a lesser degree, peaches, while Utah County growers are reporting more extensive damage of...

...and pear trees have yet to fully blossom, which means those crops are largely unaffected.

"It 's all a matter of how cold it gets and how long it remains cold," said Randy Matthews, a fruit grower in the **Perry** area. "Right now, all we're seeing is some thinning of our apricots."
Tony Hatch...

...down into the lethal temperatures," he said. "That's the key."

Visit Utah Online, the **World** Wide Web site of The Salt Lake Tribune, at [http:// www .sltrib.com](http://www.sltrib.com)

(c) 1999, The Salt Lake Tribune. Distributed by Knight Ridder/Tribune Business News.

?

32/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01057272 97-06666

Audioconferencing: Decisions from afar

Halhed, Basil

Telecommunications (International Edition) v29n6 PP: 31-37 Jun 1995

ISSN: 0040-2494 JRNL CODE: TIE

WORD COUNT: 2290

...TEXT: For large-group meetings, one model permits additional microphones to be attached to the main **tabletop** unit. **Wireless** microphones are also available for use in lecture-style presentations. The different configurations allow users...

...without being heard by people at other locations. When the outgoing audio is muted, red **light emitting diodes** (LEDs) on the main unit and its remote wired microphones flash to remind users that...

32/3,K/2 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01045249 96-94642

Using fly ash for construction

Valenti, Michael

Mechanical Engineering v117n5 PP: 82-86 May 1995

ISSN: 0025-6501 JRNL CODE: MEG

WORD COUNT: 3093

...TEXT: 65-foot-long kiln heated to over 2000degF until all the organic materials in the **pellets** are burned out, providing the **cellular** structure that makes the aggregate **light** in weight. "The retention time in the kiln is key, because we must make the...

32/3,K/3 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

08037650 Supplier Number: 66869361 (USE FORMAT 7 FOR FULLTEXT)
Microsoft Demonstrates Tablet PC Technology for Enterprise Computing Applications.

PR Newswire, pNA

Nov 13, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 813

... Tablet PC is a new computing device, optimized for mobility and designed to be convenient, **light** and ergonomic. The Tablet PC technology enables any Windows-based application to take advantage of...

...bear on new tasks (e.g., annotating and updating documents on the fly and then **wirelessly** transmitting the finished version.)

The **Tablet** PC's full Windows capability also will enable it to be users' primary computer. Gates...

32/3,K/4 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

06793568 Supplier Number: 57442083 (USE FORMAT 7 FOR FULLTEXT)
Click The Panic Button.(Web shopping sites for survivalist goods) (Directory)
Costa, Dan
Computer Shopper, v19, n12, p116
Dec, 1999
Language: English Record Type: Fulltext
Article Type: Directory
Document Type: Magazine/Journal; General Trade
Word Count: 395


At iPrepare.com, the top-selling items are water products, purification **tablets**, solar **radios**, **light** sticks, emergency blankets, and an assortment of prepackaged 72-hour survival kits. (Anyone up for...

32/3,K/5 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

05843541 Supplier Number: 50357680 (USE FORMAT 7 FOR FULLTEXT)
Physician Data Entry: Providing Options is Essential
Gilbert, Jennifer A.
Health Data Management, p84
Sept, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 3520

... after a patient visit.
Davies originally entered data into an early version of Praxis using **light** pens that were connected by cable to the computer. Using the pens, he would touch...

...computer screen to enter information into the computerized record. Recently, however, Davies has been testing **wireless pen-tablet** computers from Dauphin Technology Inc., Palatine, Ill., and Fujitsu Personal Systems Inc., Santa Clara, Calif...

 32/3,K/6 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

04772899 Supplier Number: 47025609 (USE FORMAT 7 FOR FULLTEXT)
Advanced Health Corporation to Present at 15th Annual Hambrecht & Quist Healthcare Conference
PR Newswire, p0109NYTH001F
Jan 9, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 306

... up-to- date patient data at the point of care. Med-E-Systems is a **light** -weight, **wireless** hand-held computer, **tablet** that keeps physicians

aware of timely information affecting care decisions. Med-E-Systems has a
...

32/3,K/7 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

04523269 Supplier Number: 46645621 (USE FORMAT 7 FOR FULLTEXT)
**Advanced Health Installs Med-E-Practice Clinical Software At Madison
Medical**
PR Newswire, p0821NYW068
August 21, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 595

... that is under Advanced Health management.
Med-E-Practice 3.0 is delivered on a **light** -weight, **wireless** ,
hand-held computer **tablet** , and the applications keep physicians aware of
needed information affecting care decisions through interactive messaging
...

32/3,K/8 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

02051439 Supplier Number: 42649412 (USE FORMAT 7 FOR FULLTEXT)
Aiwa Plans CD Player for Winter CES
HFD-The Weekly Home Furnishings Newspaper, v0, n0, p128
Jan 6, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 299

... connection to the deck through FM transmission. It will ship in
March.
The two-piece **tabletop radio** is model FR-ST7, an AM/FM stereo
tuner with clock and alarm, dial **light** , timer and detachable speakers.
Available now, it will list for \$100.
The new pocket recorder...

32/3,K/9 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

01923471 Supplier Number: 42452474 (USE FORMAT 7 FOR FULLTEXT)
New medical device designs strive for efficiency on a budget
HealthWeek, p26
Oct 21, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1270

... amount of oxygen in the blood when placed over a person's
fingertip. It uses **light** to sense the oxygen level, which is digitally
displayed on a **tabletop** monitor that resembles a clock **radio** .
Pulse oximeters replaced more indirect methods of monitoring

breathing. The devices have helped reduce the...

32/3,K/10 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 Dialog. All rts. reserv.

14455434 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Travel: Japan: Your private Tokyo: Phil Goddard uncovers the weird, the
psychedelic, the beautiful and the truly bizarre**
PHIL GODDARD
GUARDIAN
December 30, 2000
JOURNAL CODE: FGDN LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1032

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... big enough for one person. Each is around two metres long, with a
mattress, TV, **radio**, **light** and not much else.

Capsule Hotel Riverside, 2-20-4 Kaminarimon (3844 1155); both sexes
welcome. Asakusa Station.
9 Rent...

32/3,K/11 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 Dialog. All rts. reserv.

08205521 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Anti-trust case is only a distraction
Harshad Oke
ECONOMIC TIMES
November 13, 1999
JOURNAL CODE: WETI LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 700

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... digital assistant. Can I have something bigger and better? We have
in our labs digital **tablet** PCs, **lighter**, with **wireless** connections,
the readability is good. We are investing in R&D because we have a...

32/3,K/12 (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2005 Dialog. All rts. reserv.

04818654 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Prostate Cancer Treatment Shows New Application in Treatment of Breast
Cancer**
PR NEWSWIRE
March 31, 1999
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 485

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... popularized. However, the technical quality of retropublic implants
was extremely poor, and bad data results **led** to a declining interest in

prostate brachytherapy.

Prostate brachytherapy has been reborn over the last...

32/3,K/13 (Item 1 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2005 The Gale group. All rts. reserv.

04348894 SUPPLIER NUMBER: 16709144 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Biotherapy of B-cell precursor leukemia by targeting genistein to
CD19-associated tyrosine kinase.**

Uckun, F.M.; Evans, W.E.; Forsyth, C.J.; Waddick, K.G.; -Ahlgren, L.T.;
Chelstrom, L.M.; Burkhardt, A.; Bolen, J.; Myers, D.E.
Science, v267, n5199, p886(6)
Feb 10, 1995

ISSN: 0036-8075 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4870 LINE COUNT: 00407

... in dimethyl sulfoxide (DMSO) | and then irradiated with gentle
mixing for 10 min with UV **light** at wavelengths 254 to 366 nm with a
multiband UV **light** - emitter (Model UVGL 15 Mineralight; UVP, San
Gabriel, CA). Excess Gen in the reaction mixture...cells were washed twice
in PBS containing 2.5% fetal calf serum to remove unbound **radiolabeled**
material, and the **pellets** were resuspended in 2.5 ml of 10 mM Hepes, 1 mM
EDTA, 0.25...

32/3,K/14 (Item 2 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2005 The Gale group. All rts. reserv.

03985354 SUPPLIER NUMBER: 15020060 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Pen hardware: get practical. (information systems can use the new pen-based
computers to extend automation in the field) (Special report: mobile
computing)**

The', Lee

Datamation, v39, n24, p30(4)

Dec 15, 1993

ISSN: 1062-8363 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2061 LINE COUNT: 00156

... Pad (a Newton licensee). And of course wireless technology is also
converging on pen computing, **led** by communications-oriented vendors such
as AT&T with its EO **tablet** plus **cellular** fax/phone. Add special
ruggedized machines, and you will find about three dozen vendors producing
...

32/3,K/15 (Item 3 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2005 The Gale group. All rts. reserv.

03979748 SUPPLIER NUMBER: 14809947 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Eo to marry pens, cell phones. (Loki smart cellular phone)

McGuire, Mike

PC Week, v10, n49, p25(2)

Dec 13, 1993

ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 504 LINE COUNT: 00039

...ABSTRACT: named Loki for release in mid 1994, in the conviction that people truly want small, **light**, inexpensive personal communicators that put the world at their fingertips wherever they wander, not pen...

...Personal Communicators, the \$1,799 model 440 and \$2,599 model 880, are relatively bulky **tablet** computers with **cellular** phones attached. Their users welcome the prospect of a new, more portable device, but would...

32/3,K/16 (Item 4 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2005 The Gale group. All rts. reserv.

03887424 SUPPLIER NUMBER: 13866759 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Turn it on, and tune in the world. (world band radios) (includes related information) (Evaluation)
Elliott, Jock
Cruising World, v19, n6, p83(4)
June, 1993
DOCUMENT TYPE: Evaluation ISSN: 0098-3519 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1912 LINE COUNT: 00154

... Specialists").
Portable Models
Portables are generally small (easy to hide when security is an issue), **light**, versatile (all will receive the U.S. FM band; tabletop models do not), and far...

...tabletop models. In addition, they will run off internal batteries. While portables cannot compete with **tabletop** models for sheer **radio** performance, most portables will allow you to hear 90 to 95 percent of what's...

32/3,K/17 (Item 5 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2005 The Gale group. All rts. reserv.

03861957 SUPPLIER NUMBER: 13377799 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Avoiding future shock. (long-term planning for sales force automation)
Scofield, Todd C.; Shaw, Donald R.
Sales & Marketing Management, v145, n1, p16(4)
Jan, 1993
ISSN: 0163-7517 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2167 LINE COUNT: 00182

...ABSTRACT: sales force. Standardization has led to advances in areas such as artificial intelligence, pad and **tablet** computers and **wireless** technologies.

32/3,K/18 (Item 1 from file: 75)
DIALOG(R)File 75:TGG Management Contents(R)
(c) 2005 The Gale Group. All rts. reserv.

00173353 SUPPLIER NUMBER: 16009184 (USE FORMAT 7 FOR FULL TEXT)
Quake tests customer service commitment. (includes related article) (Off the Scale: Insights from the Earthquake)
Anguiano, Joe

Journal of Property Management, v59, n3, p45(2)

May-June, 1994

ISSN: 0022-3905

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1649

LINE COUNT: 00136

... roof, walls, foundation for structural condition.

* Maintain a three-day survival pack including: flashlight, portable **radio**, pocket knife, water purification **tablets**, first-aid kits, food, bedding, clothing, personal items, fuel and **light**, equipment, money, and personal documents like insurance policies and passports.

Joe Anguiano is a veteran...

32/3,K/19 (Item 1 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

(c) 2005 The Gale Group. All rts. reserv.

03702046 SUPPLIER NUMBER: 17615283

Advancing traditions.(art on computers using Fractal Design Painter)

World, Linda

IEEE Computer Graphics and Applications, v15, n3, p5(3)

May, 1995

ISSN: 0272-1716

LANGUAGE: English

RECORD TYPE: Abstract

...ABSTRACT: his art works by painting directly on the screen, creating an Impressionist style mix of **light** and shadows that resembles traditional oil-on-canvas work.His main tools include Fractal Design Painter, a Wacom **tablet**, and a **wireless** stylus. Orlando mixes his training n classical art with his computer experience, gained while working...

32/3,K/20 (Item 2 from file: 88)

DIALOG(R)File 88:Gale Group Business A.R.T.S.

(c) 2005 The Gale Group. All rts. reserv.

02326685 SUPPLIER NUMBER: 09113251

Gastric delivery system for iron supplementation.

Cook, James D.; Carriaga, Marisa; Kahn, Samuel G.; Schalch, Wolfgang;

Skikne, Barry S.

The Lancet, v335, n8698, p1136(4)

May 12, 1990

ISSN: 0099-5355

LANGUAGE: English

RECORD TYPE: Abstract

...ABSTRACT: subjects' blood samples were analyzed to determine the content of iron. The compound in the **tablet** contained a **radioactive** label so the amount of iron taken up by red blood cells could be evaluated ...

...from the GDS preparation than from the elixir. Sixteen milligrams of iron in the GDS **led** to the same amount of absorbed iron as 50 milligrams in ferrous sulfate elixir. The...

32/3,K/21 (Item 1 from file: 141)

DIALOG(R)File 141:Readers Guide

(c) 2005 The HW Wilson Co. All rts. reserv.

01511606 H.W. WILSON RECORD NUMBER: BRGA89011606

Small gadgets that can change lives.

AUGMENTED TITLE: help for the elderly

Lunzer, Francesca.

U.S. News & World Report (U S News World Rep) v. 106 (Mar. 6 '89) p. 58-60

...ABSTRACT: are cutlery with curved or oversized handles for easy grasping; remote-control units to activate **lights** , **radio** , and television sets; and a **pill** bottle with a battery-operated clock that registers the time at which the bottle was...

32/3,K/22 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

13046734 SUPPLIER NUMBER: 69545055 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The Carly difference. (Opinions) (Column)
Johnson, Maryfran
Computerworld, 32
Nov 20, 2000
DOCUMENT TYPE: Column ISSN: 0010-4841 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 443 LINE COUNT: 00037

... of these megabillionaires waving their hands over wireless laptops and tablet-size PC prototypes was **illuminating** , in a way. It highlighted the stark differences between the PC-centric view of the...

32/3,K/23 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

10358002 SUPPLIER NUMBER: 20974376 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Best and worst of Georgia stocks so far in 1998.
Lee, Shelley; Barry, Tom
Georgia Trend, v13, n11, p18(5)
July, 1998
ISSN: 0882-5971 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 4923 LINE COUNT: 00383

... early 1995.
The Norcross company, led by CEO Christine Jacobs, manufactures TheraSeed, a rice-sized **radioactive pellet** used to treat prostate cancer, in place of more radical treatments involving surgery or outside...

32/3,K/24 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

10017293 SUPPLIER NUMBER: 20239958 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The transistor at 50: not even considering retirement.
Schweber, Bill
EDN, v42, n26, p83(4)
Dec 18, 1997
ISSN: 0012-7515 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2368 LINE COUNT: 00194

... a 22.5V battery, and sell for \$49.95. In comparison, a standard five-tube **tabletop radio** sold for less than \$15.

One notable fact about this small radio was that Haggerty...

32/3,K/25 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

07481155 SUPPLIER NUMBER: 16173178 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Input options give control and comfort. (Buyers Guide)
Waltz, Mitzi
MacWEEK, v8, n31, p63(3)
August 1, 1994
DOCUMENT TYPE: Buyers Guide ISSN: 0892-8118 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 784 LINE COUNT: 00059

... ArtZ ADB and Serial tablets, as well as the 12-by-12-inch UD-1212R
ltablet , have a **light** , **wireless** pen with a cordless four-button cursor
available as an option. Kurta's XGT tablet...

32/3,K/26 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

00593532
**UK's Central Electricity Generating Board, which supplies power to England
and Wales, will build a prototype fuel-inspection holocamera in 1981.**
Laser Report October 13, 1980 p. 4

Spent **radioactive** fuel-element 'pins,' containing **pellets** of
enriched uranium, are now examined in a 'cave' within 1.5-m-thick walls...

... the holocamera, the pulsed laser would operate outside the cave and the
holographic plate and **illuminating** beams would enter and leave the cave
through a tubular access shaft. The plate would...

32/3,K/27 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01846708 SUPPLIER NUMBER: 17587375 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PenDirect 2000: cursor control at your fingertips. (FTG Data Systems'
PenDirect 2000 light-pen device) (Hardware Review)(Evaluation)
Broida, Rick
Computer Shopper, v15, n11, p505(1)
Nov, 1995
DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 362 LINE COUNT: 00033

... one-button stylus and supports a maximum resolution of 1,024x768.
In these days of **wireless** mice and graphics **tablets** , a **light**
pen's uses are debatable. What's certain, however, is that the PenDirect
2000 is a darn good **light** pen.

32/3,K/28 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01252960 SUPPLIER NUMBER: 06895097 (USE FORMAT 7 OR 9 FOR FULL TEXT)
User finds comfort with the cordless pen. (Winner MIS Solutions)
Altman, June
MIS Week, v9, n32, p40(1)
Aug 8, 1988
ISSN: 0199-8838 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1180 LINE COUNT: 00089

ABSTRACT: Paul Cliveden, owner of Boston Laser Graphics, chooses to use a **light** pen over a mouse in his desktop publishing business. The cordless pen is part of...

...a personal computer. Cliveden points the pen at specific points on the template, and a **radio** receiver under the **tablet** picks up the signals and sends them to the PC. He prefers the pen because...

32/3,K/29 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2005 ProQuest. All rts. reserv.

03648867 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Chemical fate of a metamorphic inducer in larvae-like buds of the cnidarian Cassiopea andromeda
Fleck, Jorgen
Biological Bulletin (PBIB), v194 n1, p83-91, p.9
Feb 1998
ISSN: 0006-3185 JOURNAL CODE: PBIB
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 5088

TEXT:
... chrome alum gelatin. The slides were covered with stripping film AR 10 (Kod' in red **light** and then kept at -20 deg C for 3 months in darkness. At the en...

...the slides with distilled water and drying, the specimens wer' analyzed with a BH-2 **light** microscope (Olympus).' ' Silver grain density in the ectoderm and endoderm of the pedal disc, stalk...

...centrifuged for 5 min a' 24000 x g. The supernatant, containing cytosol and very small **cellular** ' particles, and the **pellet** , containing cell fragments, were separated. The' pellet was completely dissolved in 1 ml 1.35...

32/3,K/30 (Item 2 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2005 ProQuest. All rts. reserv.

03150515 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Mission update
McDowell, Jonathan
Sky & Telescope (GSTN), v93 n3, p20, p.1
Mar 1997
ISSN: 0037-6604 JOURNAL CODE: GSTN
DOCUMENT TYPE: News
LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 536

TEXT:

... the start of its tasks in Martian orbit.

Mars 96

More details have come to **light** concerning the failure of the Russian Mars 96 mission last November (February issue, page 19...

...may have landed in Chile or Bolivia, and a search is under way for 18 **radioactive** fuel **pellets**, each carrying 15 grams of plutonium dioxide. The Proton's upper stage reentered over the...

32/3,K/31 (Item 1 from file: 623)

DIALOG(R)File 623:Business Week

(c) 2005 The McGraw-Hill Companies Inc. All rts. reserv.

00756323

The Shape Of PCs To Come?

BY STEPHEN H. WILDSTROM

tech&you@businessweek.com

Business Week, vNumber 3689, p0028

July 10, 2000

JOURNAL CODE: BW

SECTION HEADING: Technology & You ISSN: 0007-7135

WORD COUNT: 709

TEXT:

... wireless connection to the Internet, since the tablet design is ideal for Web browsing.

Better, **lighter**, cooler, and cheaper tablets ...summer, Qubit Technology plans to ship a much-delayed 2 1/2-pound Web-browsing **tablet** featuring a **wireless** link to the Internet.

The idea of tablet computers is not new: Companies such as...

32/3,K/32 (Item 1 from file: 624)

DIALOG(R)File 624:McGraw-Hill Publications

(c) 2005 McGraw-Hill Co. Inc. All rts. reserv.

01095380

The Shape Of PCs To Come?

BY STEPHEN H. WILDSTROM

tech&you@businessweek.com

Business Week, Number 3689, Pg 28

July 10, 2000

JOURNAL CODE: BW

SECTION HEADING: Technology & You ISSN: 0007-7135

WORD COUNT: 709

TEXT:

... wireless connection to the Internet, since the tablet design is ideal for Web browsing.

Better, **lighter**, cooler, and cheaper tablets are on the way. Aqcess hopes to have a three-pound...

... summer, Qubit Technology plans to ship a much-delayed 2 1/2-pound Web-browsing **tablet** featuring a **wireless** link to the Internet.

The idea of tablet computers is not new: Companies such as...

32/3,K/33 (Item 2 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2005 McGraw-Hill Co. Inc. All rts. reserv.

0194899

Inquiry Team Probes Cause Of Ariane First-Stage Failure

JEFFREY M. LENOROVITZ

Aviation Week & Space Technology, Vol. 132, No. 10, Pg 18

March 5, 1990

JOURNAL CODE: AW

SECTION HEADING: Ariane V36 Failure ISSN: 0005-2175

WORD COUNT: 2,437

TABLE:

...launch failures:

--LO2--An injector problem in one of the first stage Viking 5 engines **led** to a destruction of the Ariane 1 launcher version shortly after liftoff from the ELA...

...Viking 5 engine was modified and requalified. Payloads carried by the Ariane were a technological **capsule**, the Amsat Oscar 9 amateur **radio** satellite and the Max Planck institute's Firewheel spacecraft. The recovery of the failed Viking...

...and Amsat Oscar 10 spacecraft.

--V15--A third-stage failure during Ariane's 15th flight **led** to the loss of the GTE Spacenet F3 and Eutelsat ECS-3 telecommunications spacecraft. The...

32/3,K/34 (Item 1 from file: 634)
DIALOG(R)File 634:San Jose Mercury
(c) 2005 San Jose Mercury News. All rts. reserv.

08025217

GIANT LASER A THREAT TO PEACE, CRITICS SAY

San Jose Mercury News (SJ) - Wednesday, January 25, 1995

By: DAN STOBBER, Mercury News Staff Writer

Edition: Alameda County/Am Section: Local Page: 1B

Word Count: 548

... or NIF, the laser would be as big as a football stadium. Multiple beams of **light** would converge in a symmetrical fashion on a hollow glass pellet the size of a grain of sand. Inside the **pellet**, **radioactive** hydrogen would be compressed so tightly that the hydrogen atoms would fuse, releasing energy in...

32/3,K/35 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

0682725 96-39949

Fluor subsidiary subject of financial, safety probe

Fine, Howard
Orange County Business Journal (Newport Beach, CA, US), V19 N11 p3
PUBL DATE: 960311
WORD COUNT: 603
DATELINE: Irvine, CA, US, Pacific

TEXT:

...the government for work done in secret to redesign a plant that was to convert **radioactive** waste to glass **pellets**, after flaws were found in the original design.

After the allegations first appeared in the...

...retained its contract.

Fermco, which stands for Fernald Environmental Restoration Management Corp., is a consortium **led** by Fluor Daniel and also including Pasadena-based Jacobs Engineering, Halliburton NUS of Dallas and...

32/3,K/36 (Item 2 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

0020146 86-10829

Measuring Up

Hall, Matthew
Ohio Business (Cleveland, OH, US), V10 N7 s1 p52
PUBL DATE: 860700
WORD COUNT: 1,881
DATELINE: Columbus, OH, US

TEXT:

...to market, they faced a major technical problem: They needed to develop a leak-proof **capsule** to house the **radioactive** material used in the device. That difficulty **led** the men to Battelle Memorial Institute in Columbus, a contract research firm renowned for its...

32/3,K/37 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

03688540 Supplier Number: 47955809 (USE FORMAT 7 FOR FULLTEXT)

System Automates Prescribing

Information Management Week, v4, n31, pN/A
Sept 3, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 470

... sees the value as well. He can fill in diagnoses and write orders on a **wireless** electronic **tablet** while talking to the patient and have them printed out at the front desk. He...

...potential drug interactions. What makes Advanced Health unusual is that its success with its software **led** it to a second business " providing management services to doctors' practices. Doctors who want to...

32/3,K/38 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

03508124 Supplier Number: 47242066 (USE FORMAT 7 FOR FULLTEXT)
US HHS: Prostate cancer
M2 Presswire, pN/A
March 26, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 704

... beam of radiation onto the tumor, away from healthy tissue.
-New Treatment Options. Research has **led** to more types of treatment
for prostate cancer. These include blocking hormones from the prostate...

...destroying a small tumor by freezing it; and using an emerging technique
of implanting tiny **radioactive pellets** directly into the prostate to
deliver high doses of radiation to the tumor, without exposing...

32/3,K/39 (Item 1 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
(c) 2005 IDG Communications. All rts. reserv.

084131
Hospital marries wireless not with thin clients
Byline: By John Cox
Journal: Network World Page Number: 27
Publication Date: May 15, 2000
Word Count: 661 Line Count: 61

Text:

... what the doctor ordered. At University Medical Center, Stony Brook,
N.Y., a low-speed **wireless** LAN links **tablet** -sized portable terminals
with server-based Windows applications. Respiratory therapists now capture
more accurate information...

...upgrading to a faster wireless LAN topology, McPeck is looking to client
devices that are **lighter** and less cumbersome than the tablets."The
terminal still weighs about three pounds. So, for...

... he says. McPeck is looking at handhelds running the PalmOS operating
system. They're much **lighter** and smaller than the tablets, but one
drawback is the lack of software that lets...

?

34/3,K/1 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2005 The Gale group. All rts. reserv.

05994326 SUPPLIER NUMBER: 69714864
Wireless - capsule **diagnostic endoscopy for recurrent small-bowel
bleeding.**(Letter to the Editor)
Appleyard, Mark; **Glukhovsky, Arkady** ; Swain, Paul
The New England Journal of Medicine, 344, 3, 232(2)
Jan 18, 2001
DOCUMENT TYPE: Letter to the Editor ISSN: 0028-4793 LANGUAGE:
English RECORD TYPE: Citation

Wireless - capsule **.diagnostic endoscopy for recurrent small-bowel
bleeding.**(Letter to the Editor)
... **Glukhovsky, Arkady**

34/3,K/2 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2005 The Gale Group. All rts. reserv.

05443217 SUPPLIER NUMBER: 62896536
Wireless capsule **endoscopy.**
Iddan, Gavriel ; Meron, Gavriel ; Glukhovsky, Arkady ; Swain, Paul
Nature, 405, 6785, 417(1)
May 25, 2000
ISSN: 0028-0836 LANGUAGE: English RECORD TYPE: Abstract

Wireless capsule **endoscopy.**
Iddan, Gavriel ...

... **Meron, Gavriel ...**

... **Glukhovsky, Arkady**

ABSTRACT: It has been possible to develop a new form of endoscopy
involving a **wireless capsule** endoscope. After being swallowed, the
capsule transmits video images from the stomach, small bowel and...
?

File 2:INSPEC 1898-2005/Sep W4
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File 8:Ei Compendex(R) 1970-2005/Sep W4
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(c) 2005 The HW Wilson Co.

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(c) 2005 INIST/CNRS

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(c) 2005 ProQuest Info&Learning

File 248:PIRA 1975-2005/Sep W3
(c) 2005 Pira International

Set	Items	Description
S1	236171	CAPSULE?? OR PILL OR TABLET?? OR PELLET??
S2	69	INGESTIB?(5N) (S1 OR DEVIC?? OR UNIT??)
S3	2294	(WIRELESS? OR WIRE()LESS OR CELLULAR? OR RADIO?) (5N) (S1 OR S2)
S4	478007	CAMERA?? OR CCD? ? OR IMAG????(3N) (PICKUP OR PICK()UP OR D- EVICE?? OR SENSOR?? OR APPARATUS?? OR EQUIPMENT?? OR UNIT?? OR TERMINAL??) OR CHARGED(2N) COUPLE??(2N) DEVIC??
S5	481554	VIDEO?? OR CAMCODER?? OR CAM()CODER?? OR DIGICAM??
S6	631319	GASTROINTEST? OR GASTRO??? OR DIGESTION(3N) SYSTEM?? OR STO- MACH?? OR ABDOMINAL?? OR GI(2N) TRACT???
S7	3115155	LED OR LIGHT??(2N) DIOD? OR LIGHT(2N) EMIT?????(2N) DIOD?? OR LIGHT?? OR ILLUMINAT?
S8	231037	TRANSMITTER?? OR TRANSCEIVER?? OR (TRANSMIT? OR TRANSMISSI- ON?) (3N) (DEVIC?? OR EQUIPMENT?? OR UNIT?? OR TERMINAL?? OR AP- PARATUS??)
S9	46292	(EXTERIOR?? OR END OR OUTER?? OR OPAQUE?? OR VIEW??? OR VI- SUAL??) (2N) (SURFACE?? OR WINDOW?? OR PANEL??)
S10	22503	(LOCATION?? OR POSITION?? OR PLACE?? OR PLACEMENT??) (5N) S7
S11	788159	IN()VIVO?? OR INVIVO??
S12	151	AU=(IDDAN G? OR IDDAN, G? OR AVNI D? OR AVNI, D? OR GLUKHO- VSKY A? OR GLUKHOVSKY, A? OR MERON G? OR MERON, G?)
S13	0	S3 AND (S4 OR S5) AND S6 AND S8 AND S9 AND S10 AND S11
S14	0	S3 AND (S4 OR S5) AND S6 AND S8 AND S9
S15	67	S3 AND (S4 OR S5) AND S6
S16	12	S15 AND S7

S17 6 RD (unique items)
S18 0 S17 NOT PY>2000
S19 26 S3 AND (S4 OR S5) AND S7
S20 15 RD (unique items)
S21 0 S20 NOT PY>2000
S22 363 (S1 OR S2) AND (S4 OR S5) AND S7
S23 277 RD (unique items)
S24 173 S23 NOT PY>2000
S25 3 S24 AND S10
S26 8 S12 AND (S1 OR S2) AND (S4 OR S5)
S27 4 RD (unique items)
S28 2 S27 NOT PY>2000

25/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

06446186 INSPEC Abstract Number: A9702-8180-005

Title: A new type of drop tube
Author(s): Meier, M.; Hinrichs, O.; Rath, H.J.
Author Affiliation: Zentrum fuer Angewandte Raumfahrttechnol. & Mikrogravitation, Bremen Univ., Germany
Journal: Materials Science Forum Conference Title: Mater. Sci. Forum (Switzerland) vol.215-216 p.95-109
Publisher: Trans Tech Publications,
Publication Date: 1996 Country of Publication: Switzerland
CODEN: MSFOEP ISSN: 0255-5476
SICI: 0255-5476(1996)215/216L:95:TDT;1-U
Material Identity Number: H866-96017
Conference Title: Second International Conference on Solidification and Gravity
Conference Date: 25-28 April 1995 Conference Location: Miskolc, Hungary
Language: English
Subfile: A
Copyright 1996, FIZ Karlsruhe

...Abstract: a new type of drop tube was the combination of a DT with a "drop capsule". The following DT-concept was developed: In the first stage, a DT with 5 m...

... velocity between chamber and droplet will be nearly zero. The platform is equipped with a **CCD - camera**, a pyrometer and **light** barriers, measuring relative velocity, **position**, diameter and temperature of the droplet. When the deceleration is finished, the chamber will be...

25/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

03071882 INSPEC Abstract Number: A83070131

Title: Kodacolor VR 1000 film
Author(s): Denstman, H.
Journal: Industrial Photography vol.32, no.2 p.22, 24, 49
Publication Date: Feb. 1983 Country of Publication: USA
CODEN: INPHA5 ISSN: 0019-8595
Language: English
Subfile: A

...Abstract: for compared with conventional high-speed silver-halide emulsions which contain relatively large, irregularly shaped **light**-sensitive silver salts, Kodacolor 1000 employ, a 'smooth' **tablet** shaped silver-halide grain that appears to be flat. The new grains maximise the absorption of incoming **light** resulting in a more sensitive imaging medium without any increase in silver content. The **tablet** shaped 'T-grain' offers greater **light** sensitivity with better sharpness than was previously possible and the flattened grain results in a more **light**-sensitive emulsion without a difference in graininess. The new film technology has also made it...

... and use of a modified inverted layer format is a configuration in which the fastest **light**-sensitive layers are **positioned** nearer to the **camera**

lens, followed by the slower layers.

...Identifiers: smooth **tablet** shaped Ag halide grain...

... **light** absorption...

... **light** sensitivity...

... **light** -sensitive emulsion

25/3,K/3 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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02270353 JICST ACCESSION NUMBER: 94A0978048 FILE SEGMENT: JICST-E

Step-up photograph course.14. Tabletop studio.(8).Practice of lighting.

KIMATA HIROSHI (1)

Shashin Kogyo(Photographic Industries), 1994, VOL.52,NO.12, PAGE.88-91,
FIG.14

JOURNAL NUMBER: F0318AAV ISSN NO: 0371-0106 CODEN: SHKOA

UNIVERSAL DECIMAL CLASSIFICATION: 77.02

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

Step-up photograph course.14. Tabletop studio.(8).Practice of lighting.

...ABSTRACT: explains practical lighting from setting up to exposure. It describes determination method of lighting states, **positions** of **lights** and exposure, finish effects, etc., based on charts and actual shooting examples for each of...

...DESCRIPTORS: photographic **light** source...

...lighting and **illumination** ; ...

...photographic **camera**

...BROADER DESCRIPTORS: **light** source...

... **camera** ;

?

28/3,K/1 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2005 Inst for Sci Info. All rts. reserv.

09242360 Genuine Article#: 383CL No. References: 3
Title: The development of the swallowable video capsule (M2A)
Author(s): Meron GD (REPRINT)
Corporate Source: Given Imaging Ltd,Yoqneam//Israel/ (REPRINT); Given Imaging Ltd,Yoqneam//Israel/
Journal: GASTROINTESTINAL ENDOSCOPY, 2000, V52, N6 (DEC), P817-819
ISSN: 0016-5107 Publication date: 20001200
Publisher: MOSBY, INC, 11830 WESTLINE INDUSTRIAL DR, ST LOUIS, MO 63146-3318 USA
Language: English Document Type: EDITORIAL MATERIAL

Title: The development of the swallowable video capsule (M2A)
Author(s): Meron GD (REPRINT)

28/3,K/2 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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09236040 Genuine Article#: 382QM No. References: 19
Title: A randomized trial comparing wireless capsule endoscopy with push enteroscopy for the detection of small-bowel lesions
Author(s): Appleyard M; Fireman Z; Glukhovsky A ; Jacob H; Shreiver R; Kadiramanathan S; Lavy A; Lewkowicz S; Scapa E; Shofti R; Swain P (REPRINT) ; Zaretsky A
Corporate Source: ROYAL LONDON HOSP,DEPT GASTROENTEROL, WHITECHAPEL RD/LONDON E1 1BB//ENGLAND/ (REPRINT); ROYAL LONDON HOSP,DEPT GASTROENTEROL/LONDON E1 1BB//ENGLAND/; GIVEN IMAGING LTD,YOQNEAM//ISRAEL/; HILLEL YOFFE MED CTR,GASTROENTEROL INST/HADERA//ISRAEL/; RAMBAM MED CTR,DEPT DIAGNOST RADIOL/HAIFA//ISRAEL/; BNAI ZION MED CTR,HAIFA//ISRAEL/; ASSAF HAROFE MED CTR,INST GASTROENTEROL LIVER DIS & NUTR/ZERIFIN//ISRAEL/; TECHNION ISRAEL INST TECHNOL,FAC MED, LAB ANIM UNIT/HAIFA//ISRAEL/
Journal: GASTROENTEROLOGY, 2000, V119, N6 (DEC), P1431-1438
ISSN: 0016-5085 Publication date: 20001200
Publisher: W B SAUNDERS CO, INDEPENDENCE SQUARE WEST CURTIS CENTER, STE 300, PHILADELPHIA, PA 19106-3399
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: A randomized trial comparing wireless capsule endoscopy with push enteroscopy for the detection of small-bowel lesions
Author(s): Appleyard M; Fireman Z; Glukhovsky A ; Jacob H; Shreiver R; Kadiramanathan S; Lavy A; Lewkowicz S; Scapa E; Shofti R...
Abstract: Background & Aims: Wireless capsule endoscopy is a new, painless method of imaging the entire small bowel. It has not been compared with push enteroscopy. We compared the sensitivity, specificity, and safety of capsule and push enteroscopy in detecting small-bowel lesions. Methods: Nine to 13 radiopaque, colored beads...

...x-ray. After recovery, the number, order, and color of beads were assessed in 23 capsule enteroscopies and 9 push enteroscopies in a random order. The surgeons, push enteroscopists, capsule video interpreters, and pathologist were blinded to the others' findings. Results: The capsules identified more beads than push enteroscopy (median, 6 [range, 2-9] vs. 3 [range, 2-6 beads]; P < 0.001). The sensitivity of the capsule was 64% compared with 37% for push

enteroscopy. The specificity was 92% for **capsule** enteroscopy and 97% for push enteroscopy. The **capsules** identified significantly more beads beyond the reach of the push enteroscope (median, 4 [range, 2...

...0.0001). Hair, ingested plastic, ulceration, submucosal swelling, and worms were clearly identified by the **capsule**. The **capsules** passed safely through the animals with no significant histologic findings. Conclusions: Wireless **capsule** endoscopy detected more abnormalities in the small bowel than push enteroscopy.

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